

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU070318\
 Data File : VU025196.D
 Acq On : 03 Jul 2018 18:01
 Operator : MD/SY
 Sample : VU0703WBS02
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0703WBS02

Quant Time: Jul 04 04:59:49 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	157538	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	238810	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	225837	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	128278	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.31	65	127696	49.65	ug/l	0.00
Spiked Amount			Recovery	=	99.30%	
35) Dibromofluoromethane	4.89	113	104107	52.53	ug/l	0.00
Spiked Amount			Recovery	=	105.06%	
50) Toluene-d8	7.57	98	325802	45.07	ug/l	0.00
Spiked Amount			Recovery	=	90.14%	
62) 4-Bromofluorobenzene	10.31	95	135079	47.06	ug/l	0.00
Spiked Amount			Recovery	=	94.12%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	35486	17.996	ug/l	97
3) Chloromethane	1.33	50	37770	18.748	ug/l	100
4) Vinyl Chloride	1.40	62	41229	19.845	ug/l	98
5) Bromomethane	1.62	94	24496	24.390	ug/l	98
6) Chloroethane	1.70	64	27648	23.251	ug/l	100
7) Trichlorofluoromethane	1.89	101	68504	21.606	ug/l	99
8) Diethyl Ether	2.10	74	26483	23.548	ug/l	88
9) 1,1,2-Trichlorotrifluoroet	2.29	101	39757	20.212	ug/l	95
10) Methyl Iodide	2.41	142	36141	24.703	ug/l	98
11) Tert butyl alcohol	2.82	59	74027	118.350	ug/l	99
12) 1,1-Dichloroethene	2.28	96	36943	20.595	ug/l	97
13) Acrolein	2.19	56	7700	23.442	ug/l	99
14) Allyl chloride	2.59	41	63984	19.211	ug/l	98
15) Acrylonitrile	2.94	53	137926	113.335	ug/l	99
16) Acetone	2.32	43	140352	101.568	ug/l	97
17) Carbon Disulfide	2.48	76	98655	17.176	ug/l	99
18) Methyl Acetate	2.62	43	85678	28.922	ug/l	97
19) Methyl tert-butyl Ether	3.00	73	151023	22.397	ug/l	97
20) Methylene Chloride	2.70	84	49743	22.942	ug/l	98
21) trans-1,2-Dichloroethene	2.99	96	41070	20.788	ug/l	97
22) Diisopropyl ether	3.57	45	146351	22.166	ug/l	93
23) Vinyl Acetate	3.53	43	610470	103.217	ug/l	100
24) 1,1-Dichloroethane	3.45	63	83149	21.892	ug/l	98
25) 2-Butanone	4.26	43	205574	110.754	ug/l	99
26) 2,2-Dichloropropane	4.23	77	65492	18.159	ug/l	98
27) cis-1,2-Dichloroethene	4.23	96	49985	22.007	ug/l	98
28) Bromochloromethane	4.55	49	28702	17.156	ug/l	89
29) Tetrahydrofuran	4.64	42	132036	114.870	ug/l	97
30) Chloroform	4.68	83	89604	23.308	ug/l	96
31) Cyclohexane	5.00	56	73986	20.782	ug/l	94
32) 1,1,1-Trichloroethane	4.92	97	78696	22.137	ug/l	95
36) 1,1-Dichloropropene	5.14	75	59259	21.117	ug/l	97
37) Ethyl Acetate	4.38	43	75801	24.783	ug/l	98
38) Carbon Tetrachloride	5.14	117	68345	22.148	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	72565	20.721	ug/l	94
40) Benzene	5.39	78	180932	22.627	ug/l	99
41) Methacrylonitrile	4.54	41	41666	25.266	ug/l	99
42) 1,2-Dichloroethane	5.41	62	76173	25.012	ug/l	97
43) Isopropyl Acetate	5.55	43	118317	22.379	ug/l	99
44) Trichloroethene	6.19	130	49371	21.695	ug/l	95
45) 1,2-Dichloropropane	6.44	63	47387	22.210	ug/l	98
46) Dibromomethane	6.56	93	35480	23.675	ug/l	96
47) Bromodichloromethane	6.76	83	65092	21.812	ug/l	98
48) Methyl methacrylate	6.63	41	60865	23.643	ug/l	97
49) 1,4-Dioxane	6.61	88	27240	541.063	ug/l	99
51) 4-Methyl-2-Pentanone	7.46	43	393617	118.507	ug/l	99
52) Toluene	7.64	92	115935	22.536	ug/l	99
53) t-1,3-Dichloropropene	7.88	75	66553	19.859	ug/l	98
54) cis-1,3-Dichloropropene	7.27	75	73100	20.470	ug/l	99
55) 1,1,2-Trichloroethane	8.07	97	48625	23.253	ug/l	98
56) Ethyl methacrylate	8.02	69	74590	21.311	ug/l	99
57) 1,3-Dichloropropane	8.25	76	82633	23.425	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.14	63	580	0.433	ug/l #	50
59) 2-Hexanone	8.36	43	308027	113.593	ug/l	99
60) Dibromochloromethane	8.48	129	51511	19.754	ug/l	100
61) 1,2-Dibromoethane	8.59	107	53065	22.799	ug/l	98
64) Tetrachloroethene	8.23	164	48444	22.567	ug/l	97
65) Chlorobenzene	9.12	112	131572	22.806	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.21	131	49398	22.537	ug/l	99
67) Ethyl Benzene	9.25	91	227607	22.504	ug/l	99
68) m/p-Xylenes	9.38	106	175084	45.081	ug/l	98
69) o-Xylene	9.78	106	86727	22.564	ug/l	98
70) Styrene	9.80	104	134319	21.265	ug/l	98
71) Bromoform	9.96	173	39109	18.772	ug/l #	100
73) Isopropylbenzene	10.17	105	235079	23.869	ug/l	99
74) N-amyl acetate	10.02	43	99056	21.145	ug/l	98
75) 1,1,2,2-Tetrachloroethane	10.46	83	79330	24.037	ug/l	99
76) 1,2,3-Trichloropropane	10.50	75	90923	32.194	ug/l	82
77) Bromobenzene	10.46	156	59755	23.966	ug/l	96
78) n-propylbenzene	10.59	91	254756	21.959	ug/l	97
79) 2-Chlorotoluene	10.66	91	157450	23.013	ug/l	98
80) 1,3,5-Trimethylbenzene	10.78	105	197821	23.174	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.50	75	90923	74.511	ug/l #	100
82) 4-Chlorotoluene	10.78	91	176350	22.146	ug/l	98
83) tert-Butylbenzene	11.10	119	196861	23.974	ug/l	100
84) 1,2,4-Trimethylbenzene	11.15	105	201605	23.175	ug/l	99
85) sec-Butylbenzene	11.33	105	229506	22.329	ug/l	98
86) p-Isopropyltoluene	11.48	119	200981	21.833	ug/l	99
87) 1,3-Dichlorobenzene	11.42	146	103808	22.535	ug/l	98
88) 1,4-Dichlorobenzene	11.51	146	102094	22.020	ug/l	99
89) n-Butylbenzene	11.89	91	154052	18.850	ug/l	97
90) Hexachloroethane	12.15	117	33760	18.800	ug/l	96
91) 1,2-Dichlorobenzene	11.88	146	109760	23.789	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	12.66	75	20101	22.073	ug/l	97

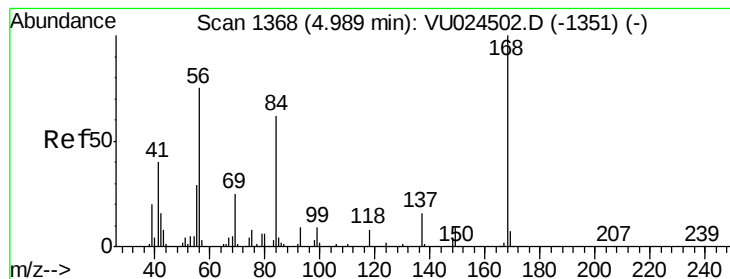
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU070318\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.51	180	61291	21.512	ug/l	99
94) Hexachlorobutadiene	13.70	225	34316	21.398	ug/l	99
95) Naphthalene	13.75	128	219700	23.655	ug/l	100
96) 1,2,3-Trichlorobenzene	13.99	180	65949	23.229	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: VU025196.D

Acq: 03 Jul 2018 18:01

Instrument :

MSVOA_U

ClientSampleId :

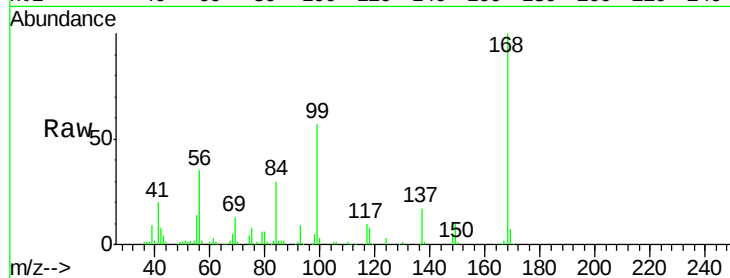
VU0703WBS02

Tot Ion:168 Resp: 157538

Ion Ratio Lower Upper

168 100

99 56.7 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

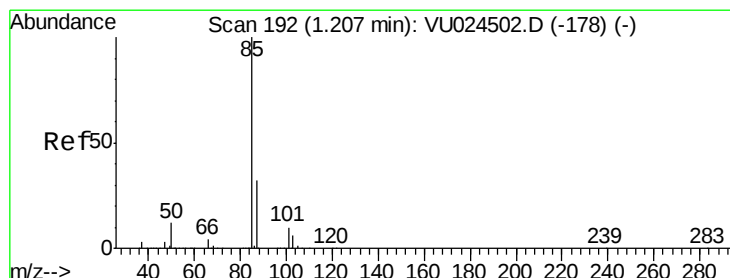
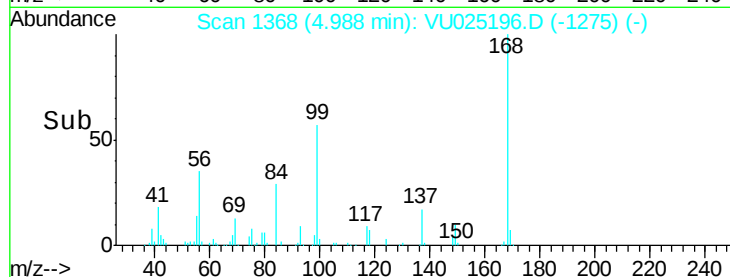
40000

20000

0

4.90 5.00 5.10

Time-->



#2

Dichlorodifluoromethane

Concen: 17.996 ug/l

RT: 1.20 min Scan# 191

Delta R.T. -0.00 min

Lab File: VU025196.D

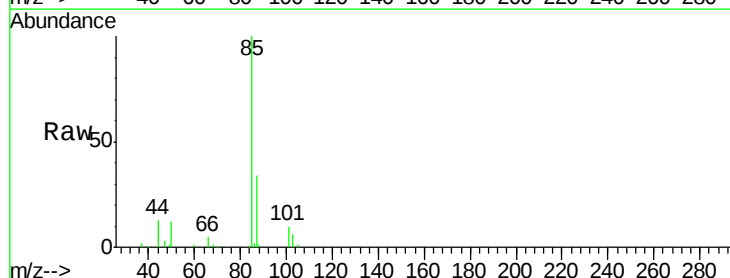
Acq: 03 Jul 2018 18:01

Tgt Ion: 85 Resp: 35486

Ion Ratio Lower Upper

85 100

87 33.6 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

40000

30000

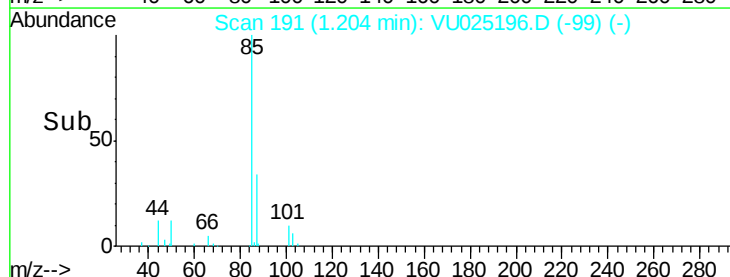
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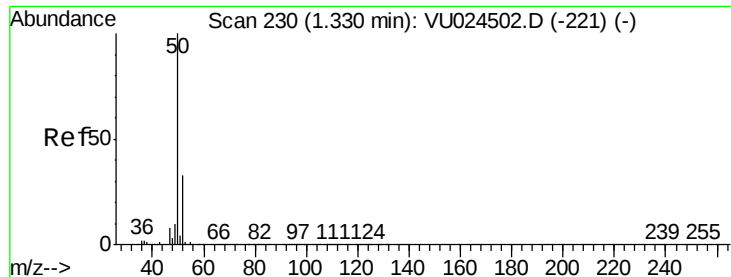
10000

0

1.15 1.20 1.25

Time-->





#3

Chloromethane

Concen: 18.748 ug/l

RT: 1.33 min Scan# 230

Delta R.T. -0.00 min

Lab File: VU025196.D

Acq: 03 Jul 2018 18:01

Instrument :

MSVOA_U

ClientSampleId :

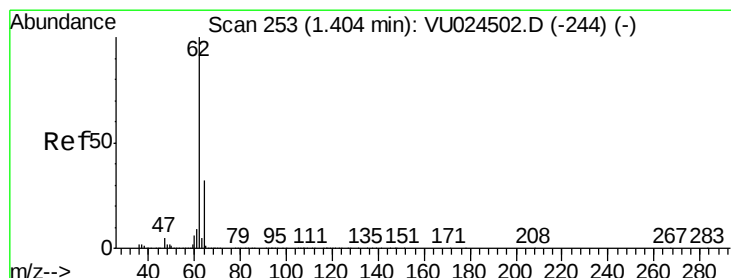
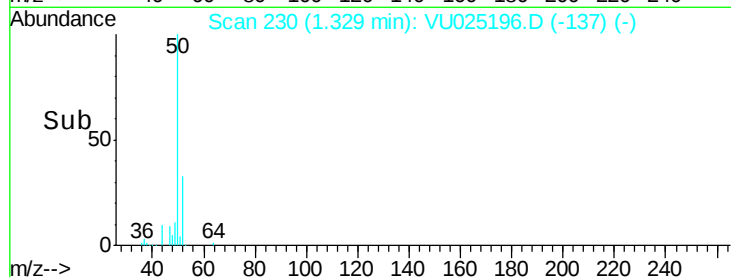
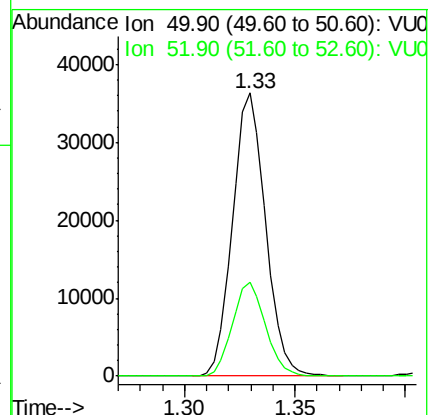
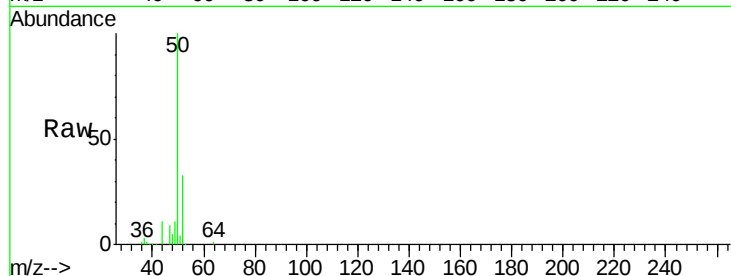
VU0703WBS02

Tot Ion: 50 Resp: 37770

Ion Ratio Lower Upper

50 100

52 33.0 26.4 39.6



#4

Vinyl Chloride

Concen: 19.845 ug/l

RT: 1.40 min Scan# 253

Delta R.T. -0.00 min

Lab File: VU025196.D

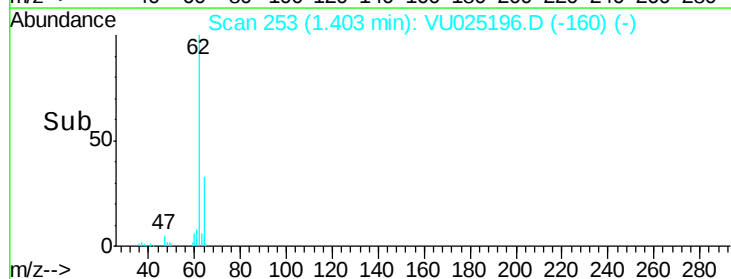
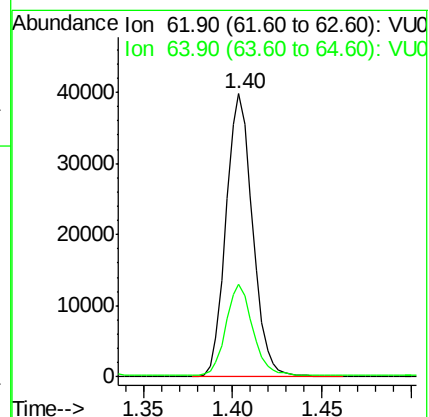
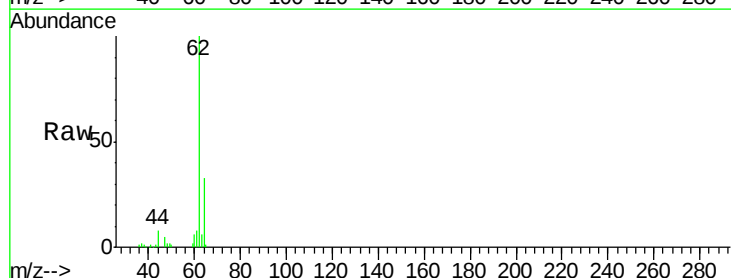
Acq: 03 Jul 2018 18:01

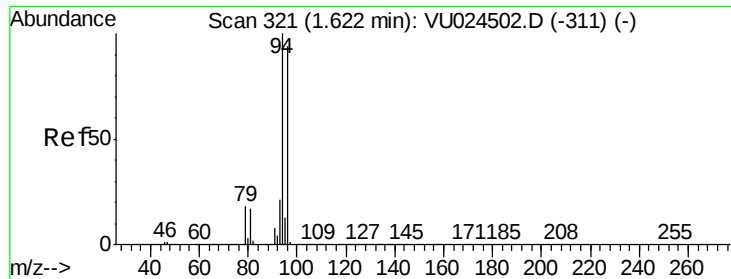
Tgt Ion: 62 Resp: 41229

Ion Ratio Lower Upper

62 100

64 32.0 24.8 37.2





#5

Bromomethane

Concen: 24.390 ug/l

RT: 1.62 min Scan# 320

Delta R.T. -0.00 min

Lab File: VU025196.D

Acq: 03 Jul 2018 18:01

Instrument :

MSVOA_U

ClientSampleId :

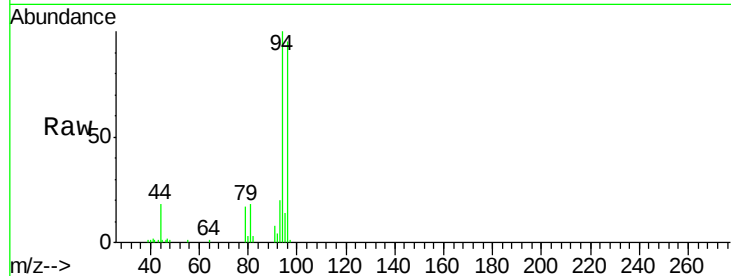
VU0703WBS02

Tot Ion: 94 Resp: 24496

Ion Ratio Lower Upper

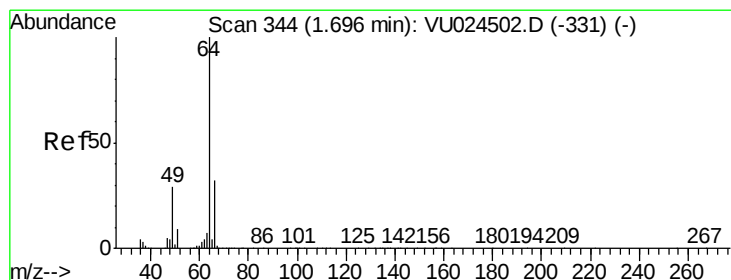
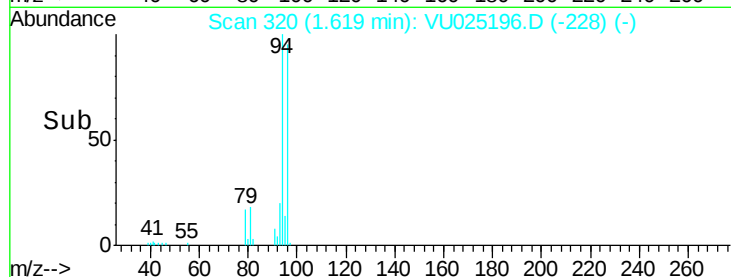
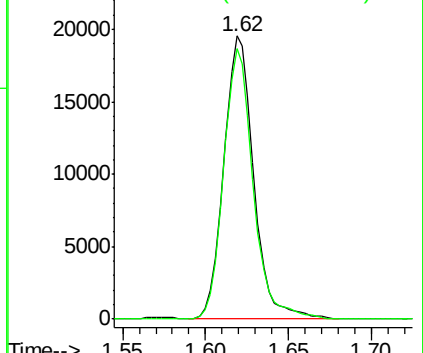
94 100

96 95.5 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: 23.251 ug/l

RT: 1.70 min Scan# 344

Delta R.T. 0.00 min

Lab File: VU025196.D

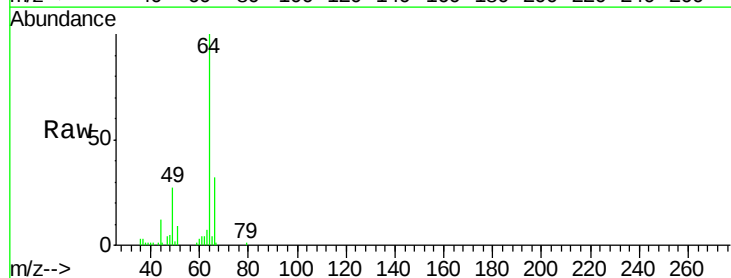
Acq: 03 Jul 2018 18:01

Tgt Ion: 64 Resp: 27648

Ion Ratio Lower Upper

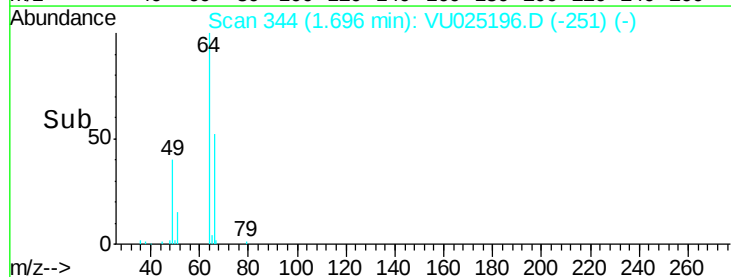
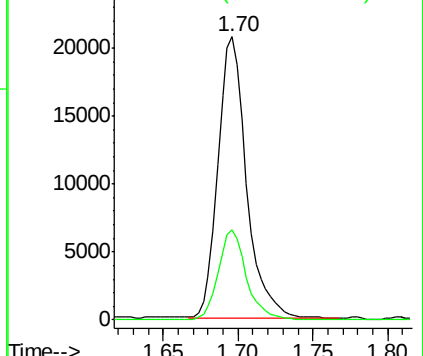
64 100

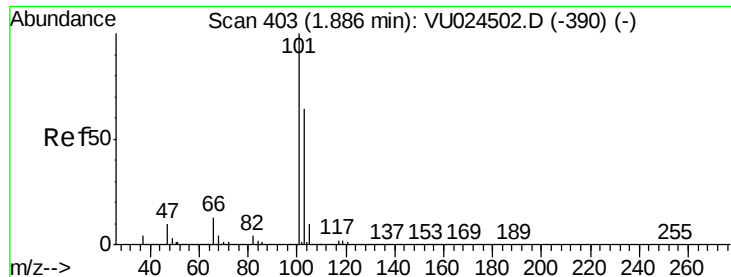
66 31.9 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0



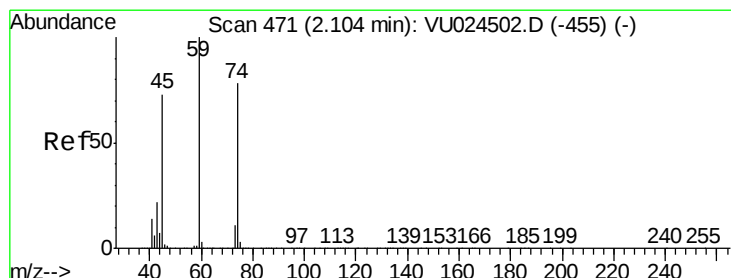
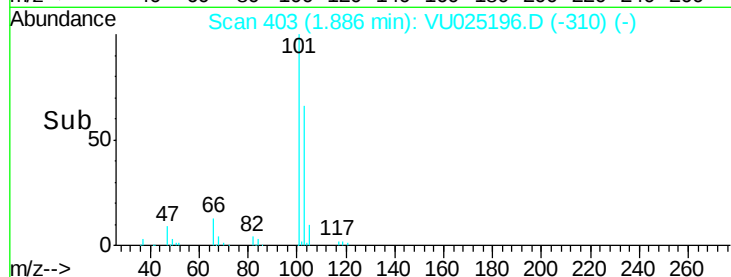
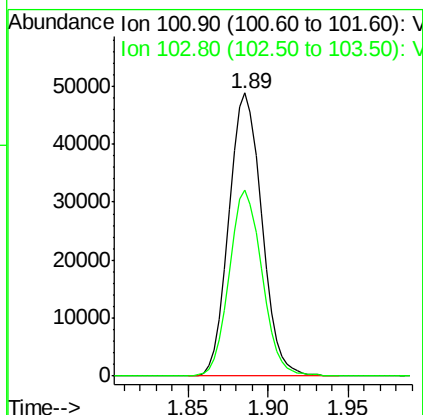
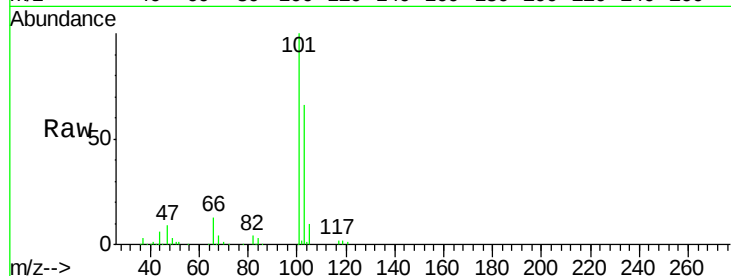


#7

Trichlorofluoromethane
 Concen: 21.606 ug/l
 RT: 1.89 min Scan# 403
 Delta R.T. -0.00 min
 Lab File: VU025196.D
 Acq: 03 Jul 2018 18:01

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 VU0703WBS02

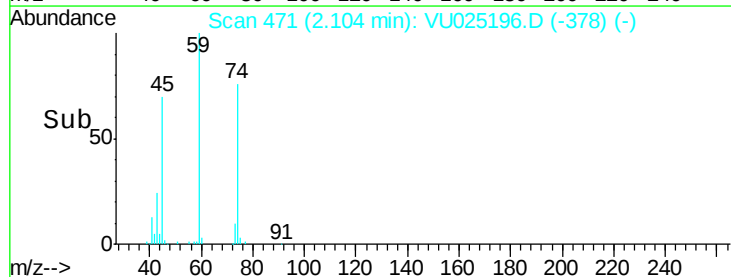
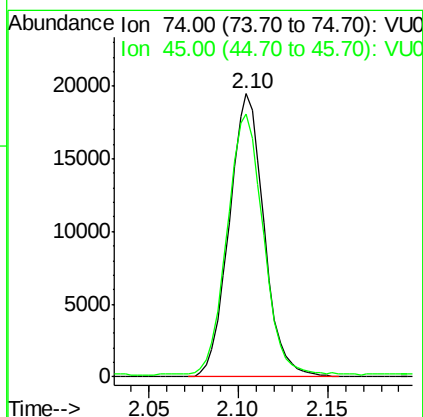
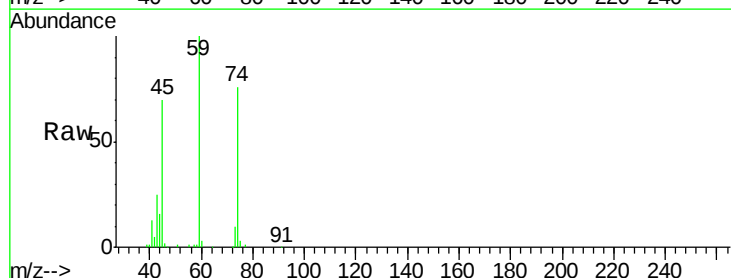
Tot Ion:101 Resp: 68504
 Ion Ratio Lower Upper
 101 100
 103 65.8 52.3 78.5

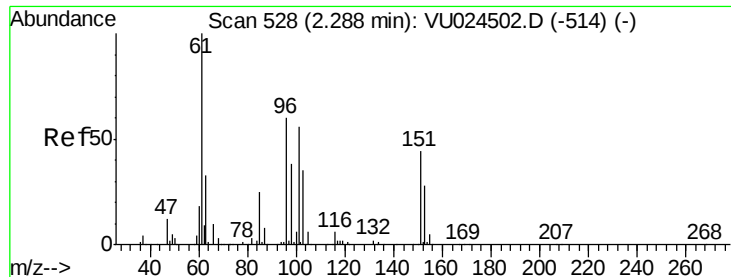


#8

Diethyl Ether
 Concen: 23.548 ug/l
 RT: 2.10 min Scan# 471
 Delta R.T. 0.00 min
 Lab File: VU025196.D
 Acq: 03 Jul 2018 18:01

Tgt Ion: 74 Resp: 26483
 Ion Ratio Lower Upper
 74 100
 45 96.9 55.0 165.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.212 ug/l

RT: 2.29 min Scan# 528

Delta R.T. -0.00 min

Lab File: VU025196.D

Acq: 03 Jul 2018 18:01

Instrument :

MSVOA_U

ClientSampleId :

VU0703WBS02

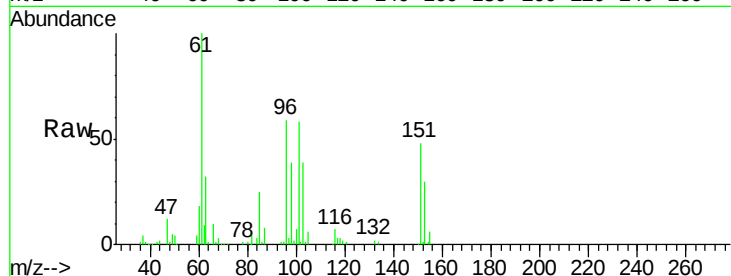
Tot Ion:101 Resp: 39757

Ion Ratio Lower Upper

101 100

85 44.1 36.0 54.0

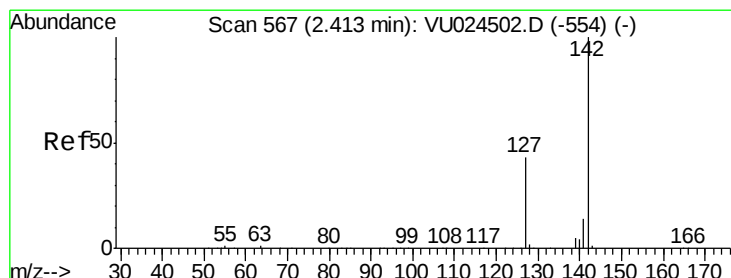
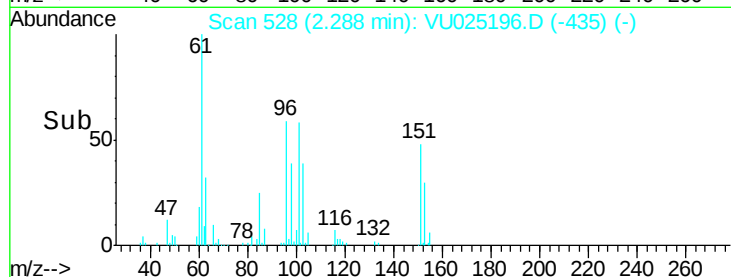
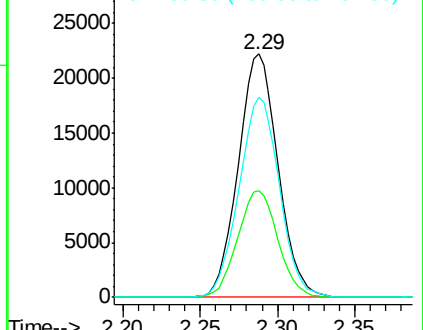
151 83.5 62.3 93.5



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VU0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 24.703 ug/l

RT: 2.41 min Scan# 566

Delta R.T. -0.00 min

Lab File: VU025196.D

Acq: 03 Jul 2018 18:01

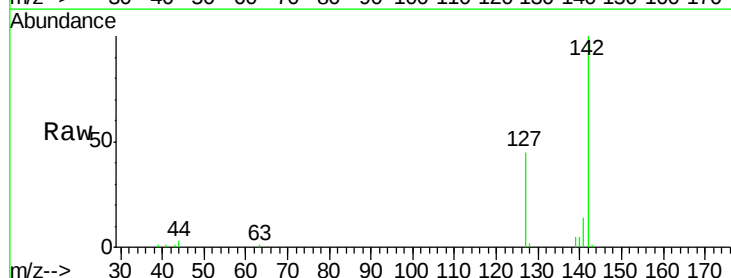
Tgt Ion:142 Resp: 36141

Ion Ratio Lower Upper

142 100

127 46.2 35.6 53.4

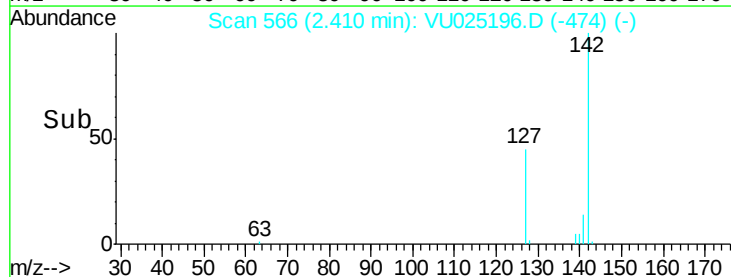
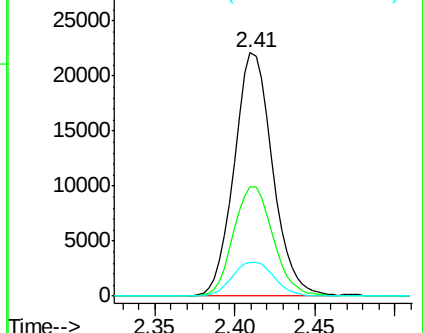
141 15.1 11.7 17.5

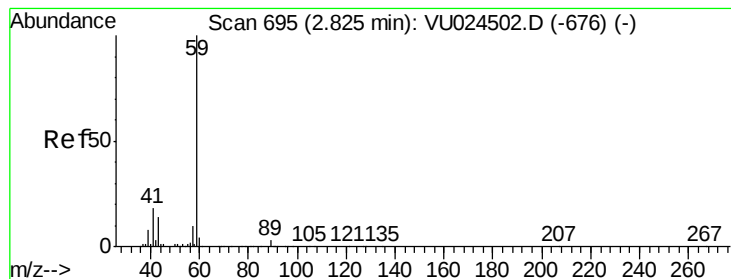


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



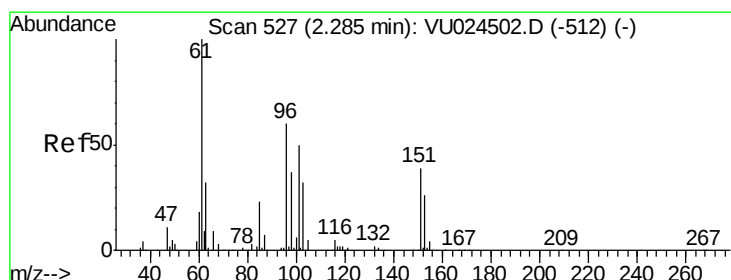
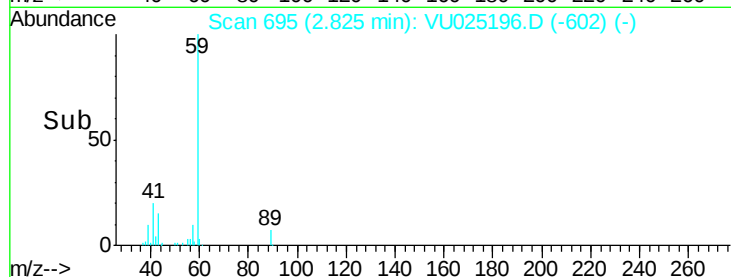
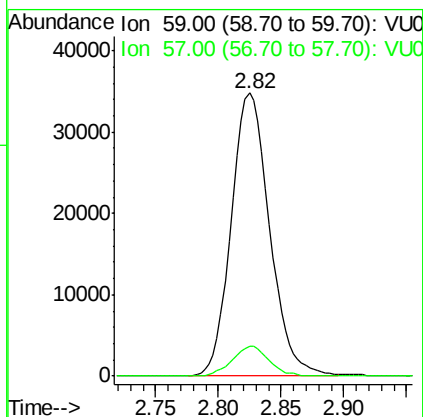
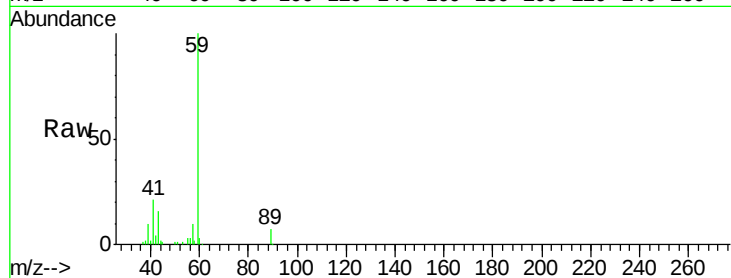


#11

Tert butyl alcohol
 Concen: 118.350 ug/l
 RT: 2.82 min Scan# 695
 Delta R.T. -0.00 min
 Lab File: VU025196.D
 Acq: 03 Jul 2018 18:01

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0703WBS02

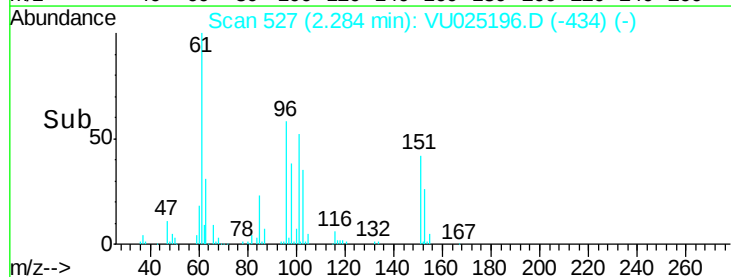
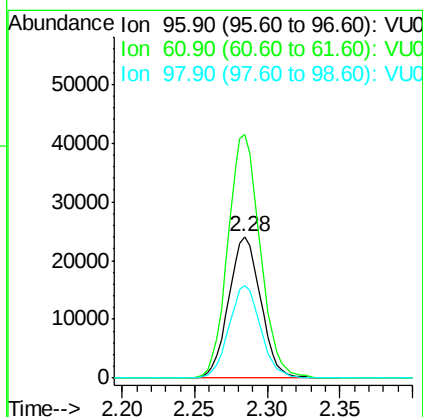
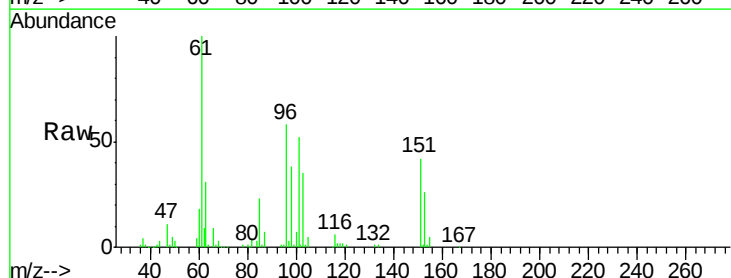
Tot Ion: 59 Resp: 74027
 Ion Ratio Lower Upper
 59 100
 57 10.0 8.5 12.7

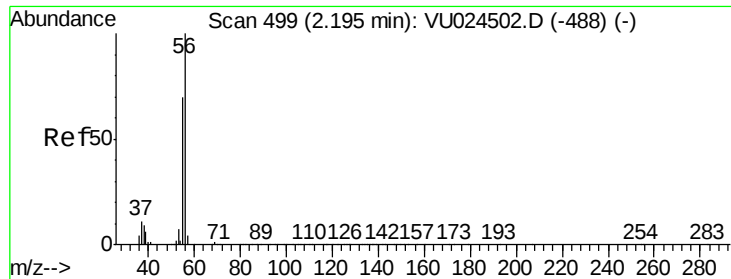


#12

1,1-Dichloroethene
 Concen: 20.595 ug/l
 RT: 2.28 min Scan# 527
 Delta R.T. -0.00 min
 Lab File: VU025196.D
 Acq: 03 Jul 2018 18:01

Tgt Ion: 96 Resp: 36943
 Ion Ratio Lower Upper
 96 100
 61 172.4 141.7 212.5
 98 66.0 51.6 77.4





#13

Acrolein

Concen: 23.442 ug/l

RT: 2.19 min Scan# 499

Delta R.T. -0.00 min

Lab File: VU025196.D

Acq: 03 Jul 2018 18:01

Instrument :

MSVOA_U

ClientSampleId :

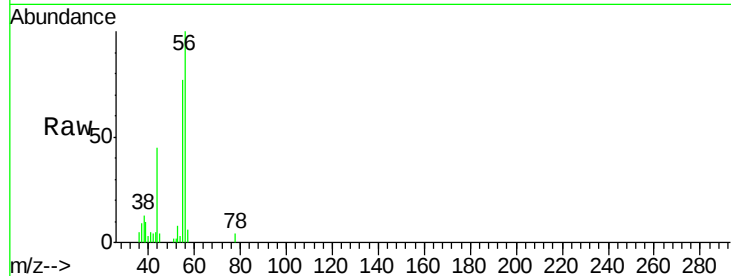
VU0703WBS02

Tot Ion: 56 Resp: 7700

Ion Ratio Lower Upper

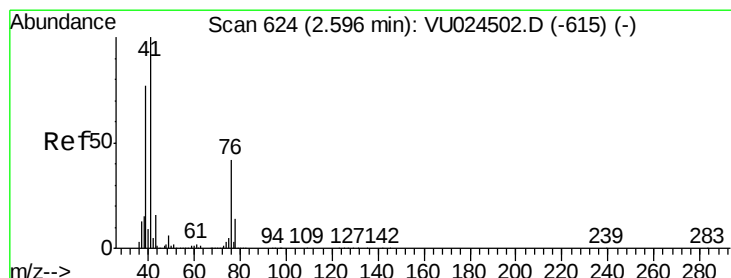
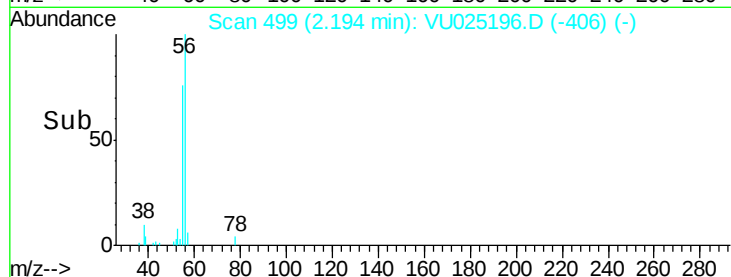
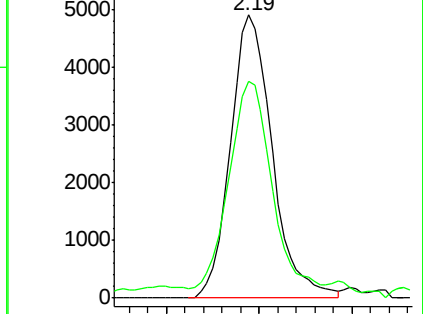
56 100

55 74.2 58.4 87.6



Abundance Ion 56.00 (55.70 to 56.70): VU0

Ion 55.00 (54.70 to 55.70): VU0



#14

Allyl chloride

Concen: 19.211 ug/l

RT: 2.59 min Scan# 623

Delta R.T. -0.00 min

Lab File: VU025196.D

Acq: 03 Jul 2018 18:01

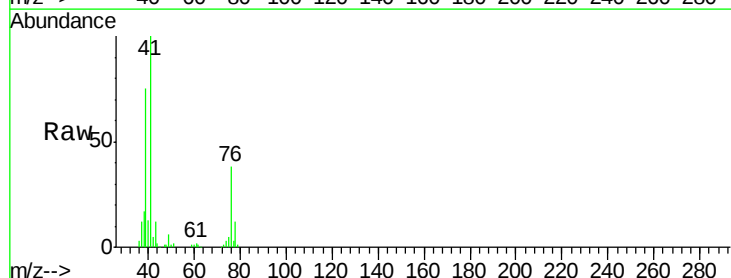
Tgt Ion: 41 Resp: 63984

Ion Ratio Lower Upper

41 100

39 74.5 61.6 92.4

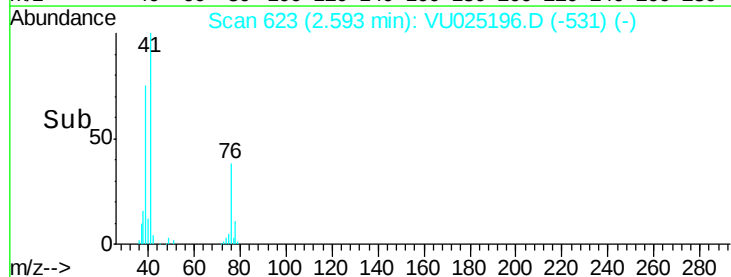
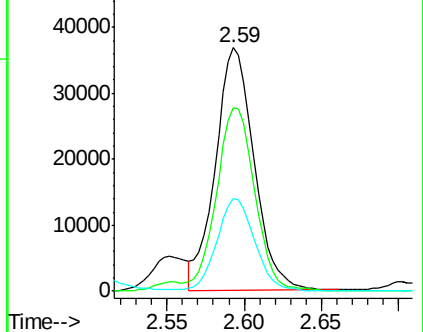
76 37.5 29.7 44.5

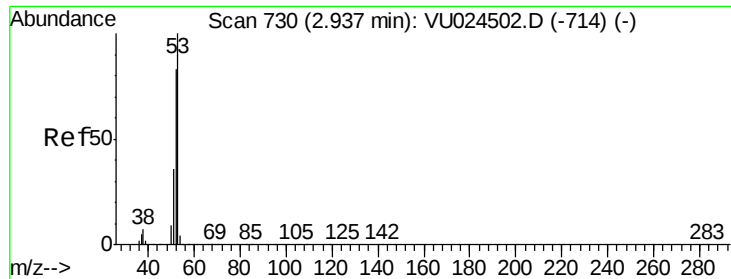


Abundance Ion 41.00 (40.70 to 41.70): VU0

Ion 39.00 (38.70 to 39.70): VU0

Ion 75.90 (75.60 to 76.60): VU0





#15

Acrylonitrile

Concen: 113.335 ug/l

RT: 2.94 min Scan# 730

Delta R.T. -0.00 min

Lab File: VU025196.D

Acq: 03 Jul 2018 18:01

Instrument :

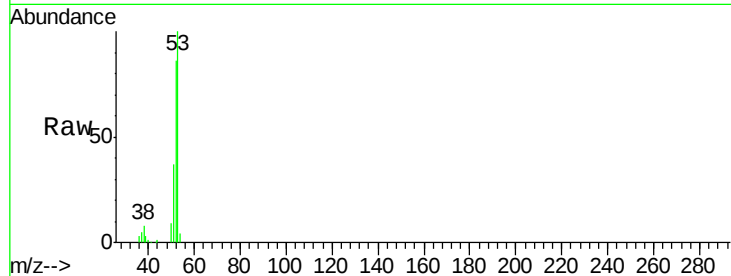
MSVOA_U

ClientSampleId :

VU0703WBS02

Tot Ion: 53 Resp: 137926

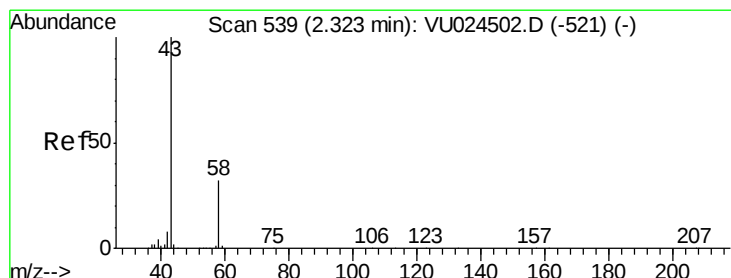
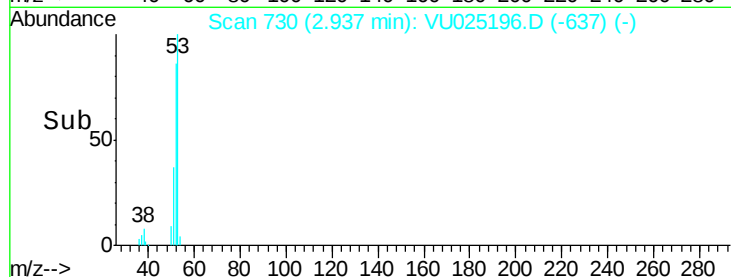
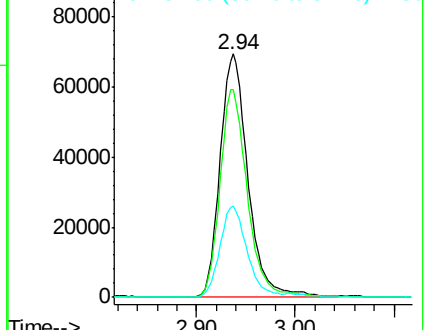
Ion	Ratio	Lower	Upper
53	100		
52	84.2	67.1	100.7
51	36.3	28.4	42.6



Abundance Ion 53.00 (52.70 to 53.70): VU0

Ion 52.00 (51.70 to 52.70): VU0

Ion 51.00 (50.70 to 51.70): VU0



#16

Acetone

Concen: 101.568 ug/l

RT: 2.32 min Scan# 538

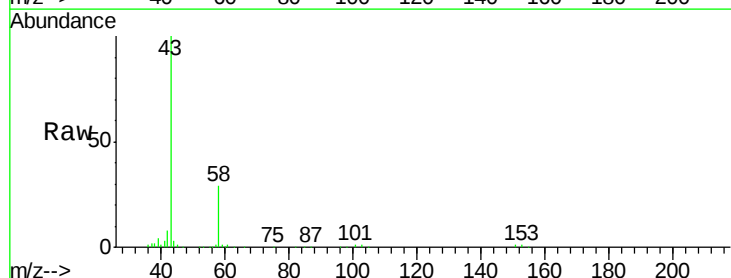
Delta R.T. -0.00 min

Lab File: VU025196.D

Acq: 03 Jul 2018 18:01

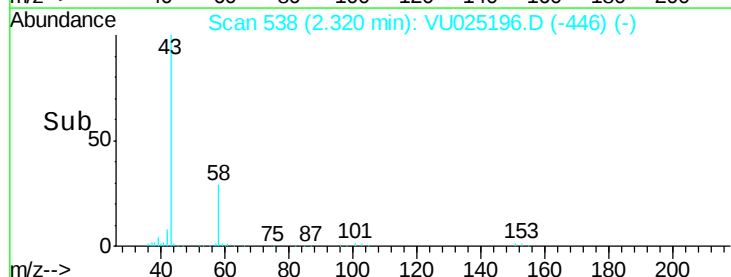
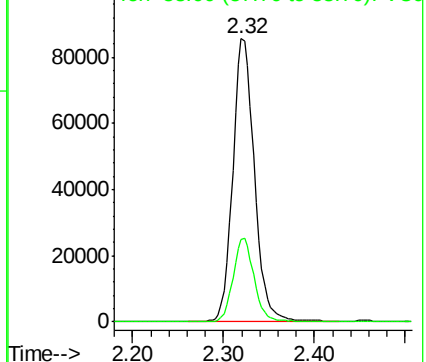
Tgt Ion: 43 Resp: 140352

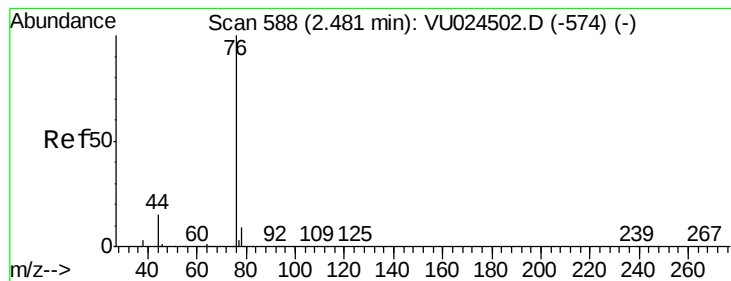
Ion	Ratio	Lower	Upper
43	100		
58	29.1	24.4	36.6



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0





#17

Carbon Disulfide

Concen: 17.176 ug/l

RT: 2.48 min Scan# 587

Delta R.T. -0.00 min

Lab File: VU025196.D

Acq: 03 Jul 2018 18:01

Instrument :

MSVOA_U

ClientSampleId :

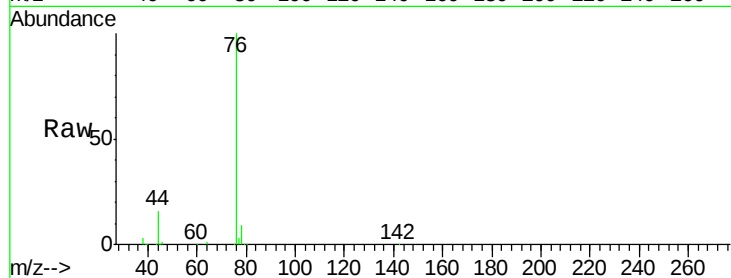
VU0703WBS02

Tot Ion: 76 Resp: 98655

Ion Ratio Lower Upper

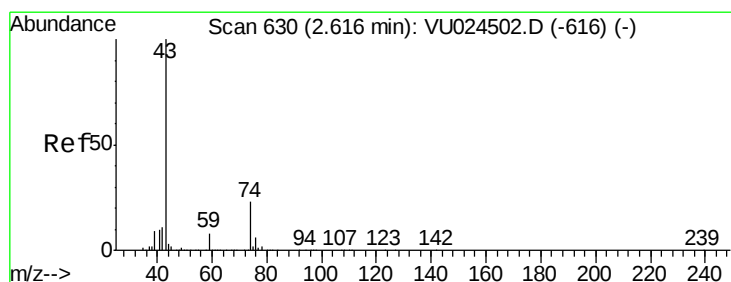
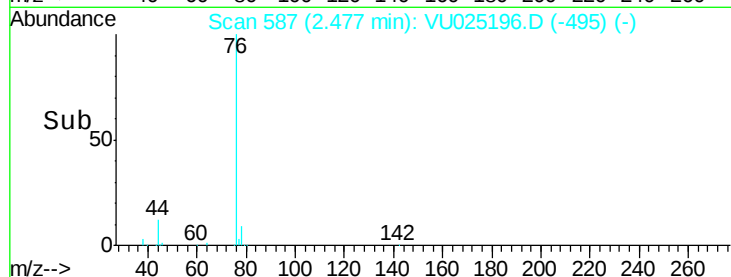
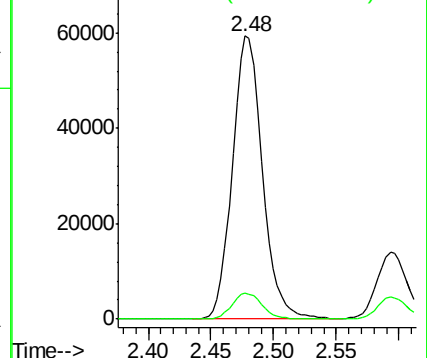
76 100

78 9.2 7.1 10.7



Abundance Ion 75.90 (75.60 to 76.60): VU0

Ion 77.90 (77.60 to 78.60): VU0



#18

Methyl Acetate

Concen: 28.922 ug/l

RT: 2.62 min Scan# 630

Delta R.T. -0.00 min

Lab File: VU025196.D

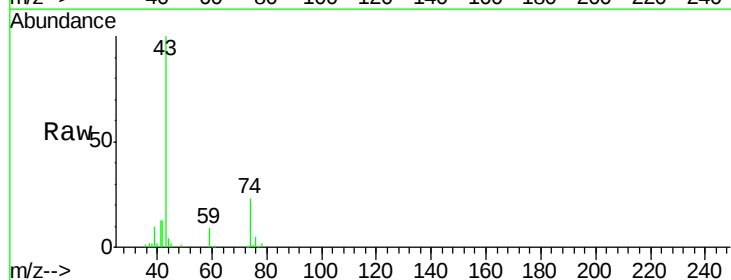
Acq: 03 Jul 2018 18:01

Tgt Ion: 43 Resp: 85678

Ion Ratio Lower Upper

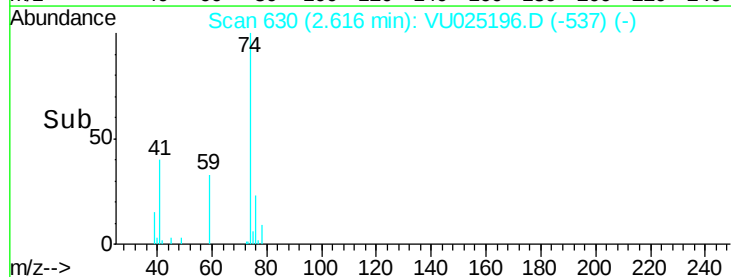
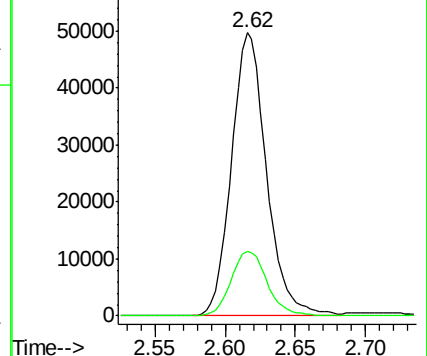
43 100

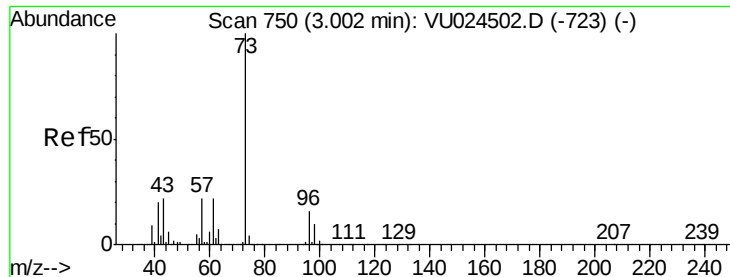
74 23.9 18.0 27.0



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 74.00 (73.70 to 74.70): VU0

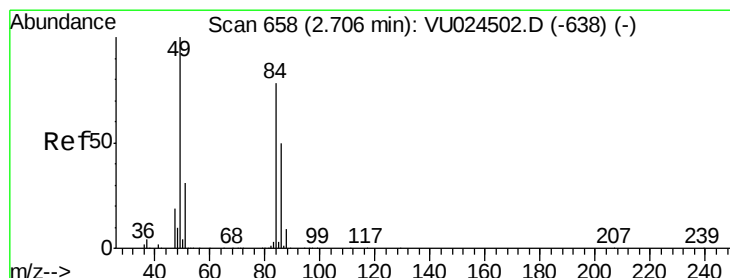
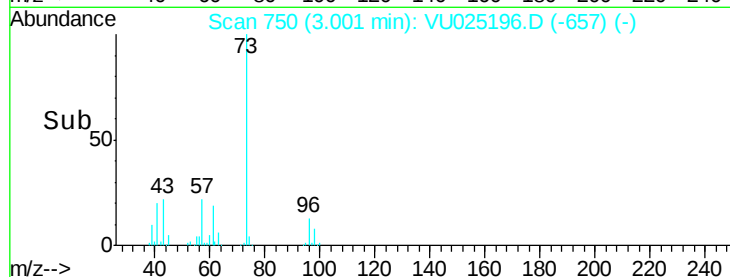
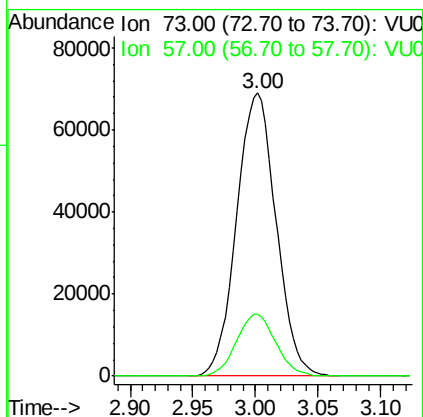
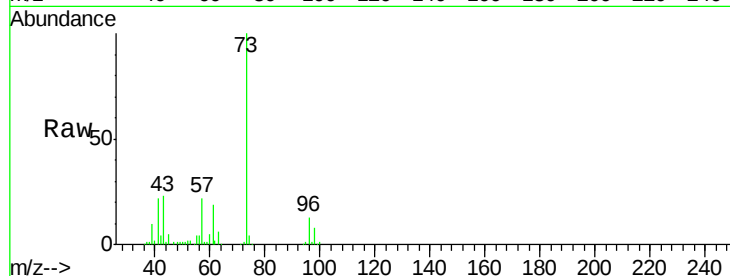




#19
Methyl tert-butyl Ether
Concen: 22.397 ug/l
RT: 3.00 min Scan# 750
Delta R.T. -0.00 min
Lab File: VU025196.D
Acq: 03 Jul 2018 18:01

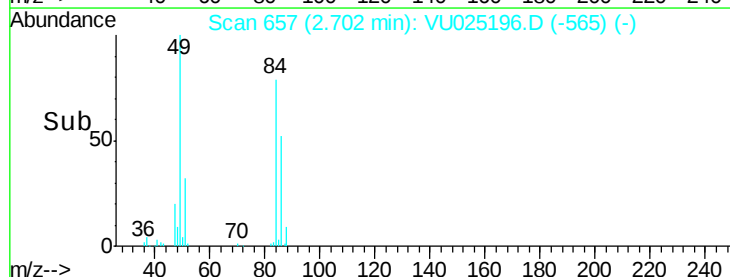
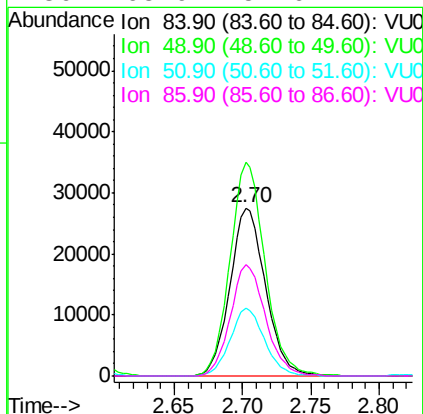
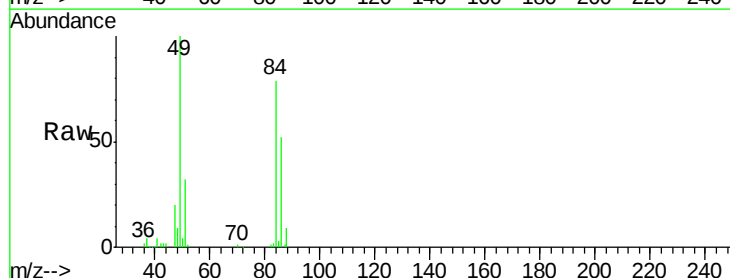
Instrument :
MSVOA_U
ClientSampleId :
VU0703WBS02

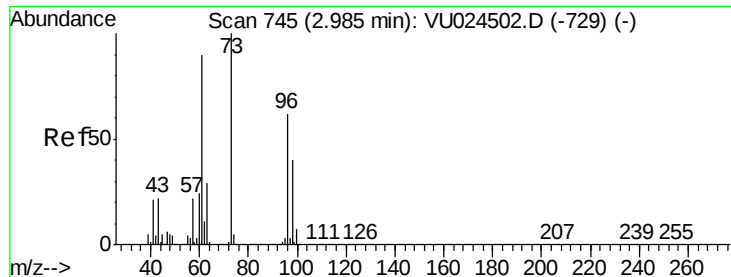
Tot Ion: 73 Resp: 151023
Ion Ratio Lower Upper
73 100
57 22.0 18.8 28.2



#20
Methylene Chloride
Concen: 22.942 ug/l
RT: 2.70 min Scan# 657
Delta R.T. -0.00 min
Lab File: VU025196.D
Acq: 03 Jul 2018 18:01

Tgt Ion: 84 Resp: 49743
Ion Ratio Lower Upper
84 100
49 127.0 103.8 155.8
51 40.1 32.0 48.0
86 65.9 51.6 77.4





#21

trans-1,2-Dichloroethene

Concen: 20.788 ug/l

RT: 2.99 min Scan# 745

Delta R.T. -0.00 min

Lab File: VU025196.D

Acq: 03 Jul 2018 18:01

Instrument :

MSVOA_U

ClientSampleId :

VU0703WBS02

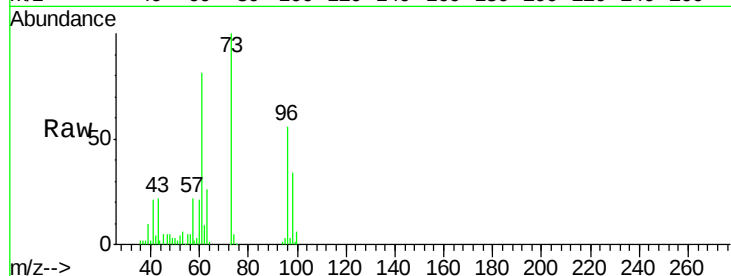
Tot Ion: 96 Resp: 41070

Ion Ratio Lower Upper

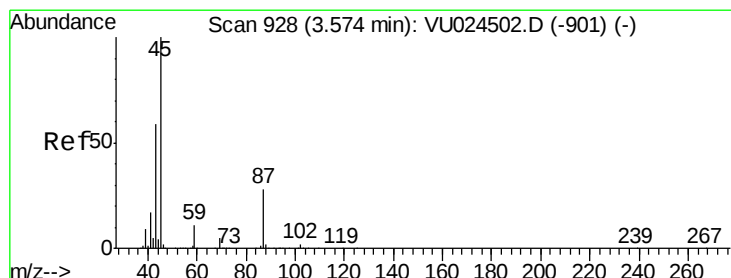
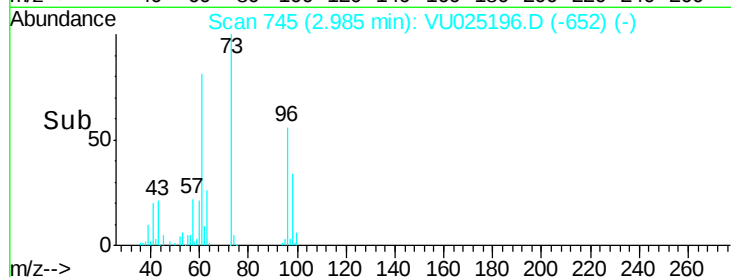
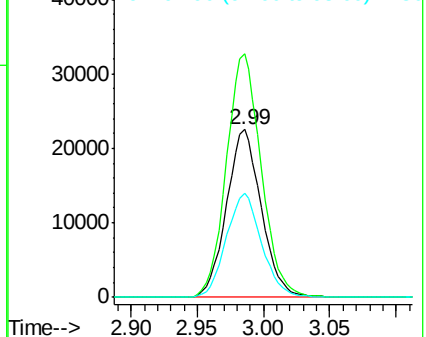
96 100

61 145.0 119.4 179.0

98 61.7 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: 22.166 ug/l

RT: 3.57 min Scan# 928

Delta R.T. -0.00 min

Lab File: VU025196.D

Acq: 03 Jul 2018 18:01

Tgt Ion: 45 Resp: 146351

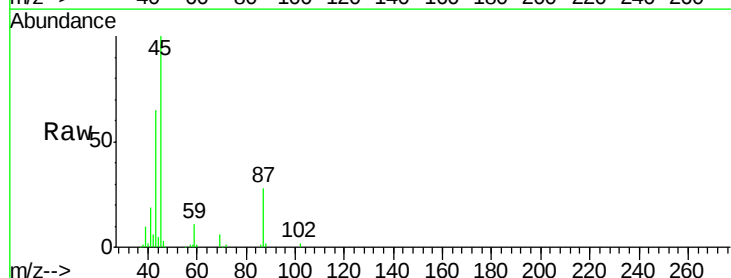
Ion Ratio Lower Upper

45 100

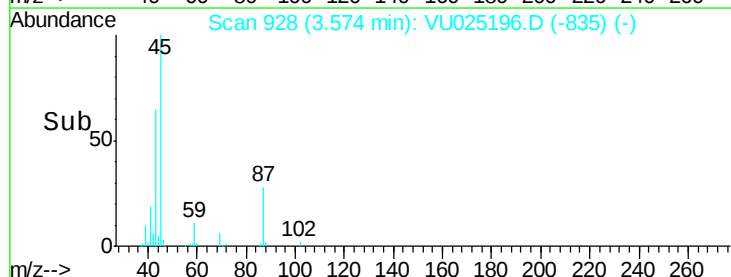
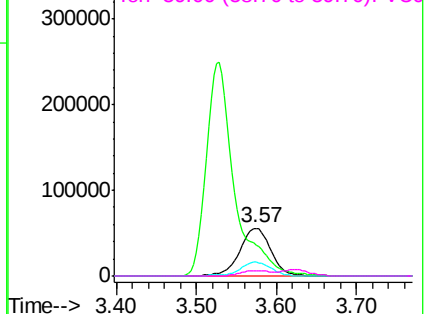
43 64.0 45.8 68.6

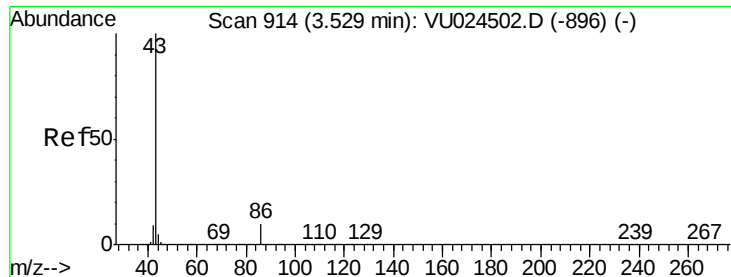
87 28.3 20.6 31.0

59 11.4 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: 103.217 ug/l

RT: 3.53 min Scan# 914

Delta R.T. -0.00 min

Lab File: VU025196.D

Acq: 03 Jul 2018 18:01

Instrument :

MSVOA_U

ClientSampleId :

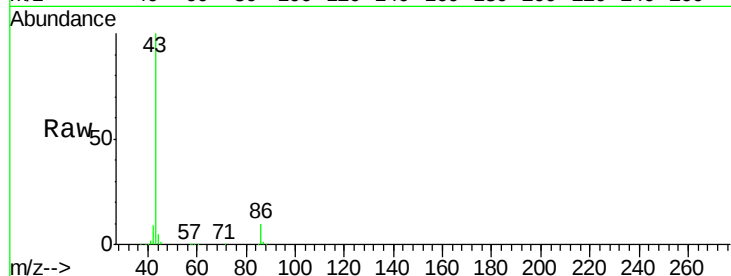
VU0703WBS02

Tot Ion: 43 Resp: 610470

Ion Ratio Lower Upper

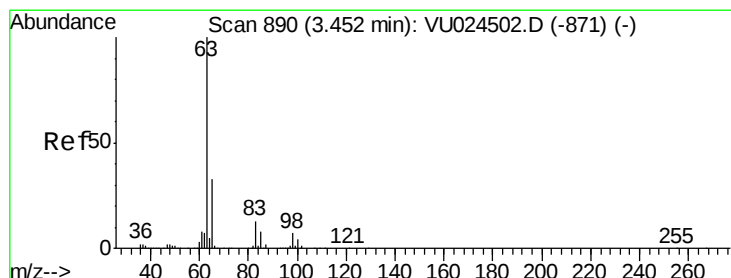
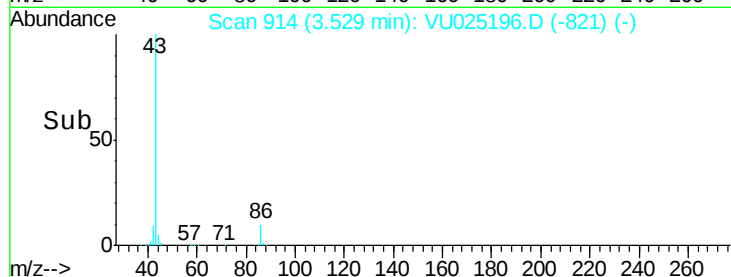
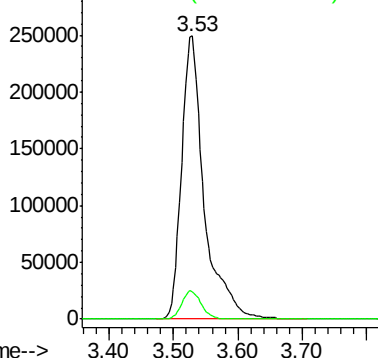
43 100

86 9.8 7.8 11.8



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 86.00 (85.70 to 86.70): VU0



#24

1,1-Dichloroethane

Concen: 21.892 ug/l

RT: 3.45 min Scan# 889

Delta R.T. -0.00 min

Lab File: VU025196.D

Acq: 03 Jul 2018 18:01

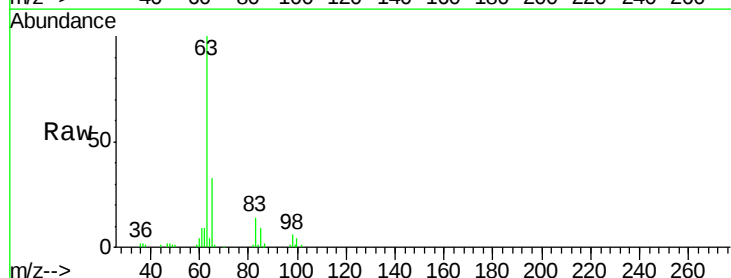
Tgt Ion: 63 Resp: 83149

Ion Ratio Lower Upper

63 100

98 5.9 3.5 10.4

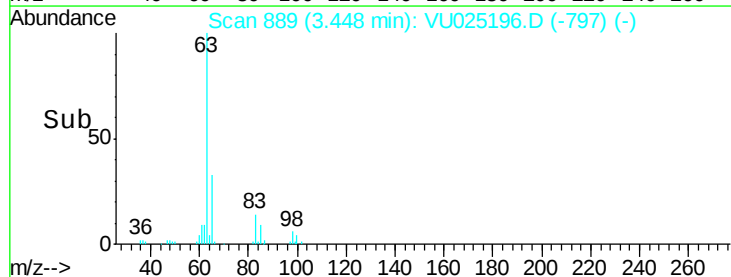
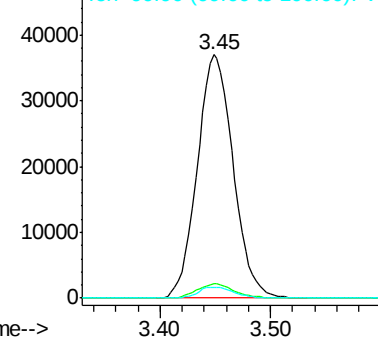
100 4.2 1.8 5.5

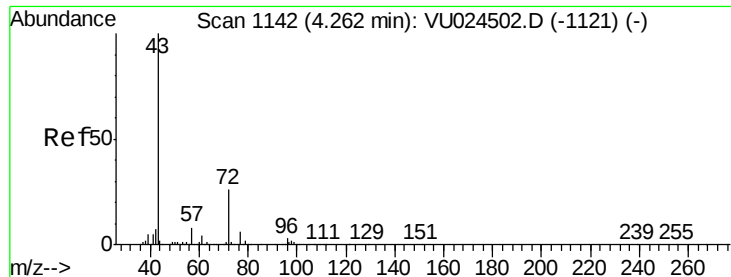


Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 97.90 (97.60 to 98.60): VU0

Ion 99.90 (99.60 to 100.60): VU0





#25

2-Butanone

Concen: 110.754 ug/l

RT: 4.26 min Scan# 1142

Delta R.T. -0.00 min

Lab File: VU025196.D

Acq: 03 Jul 2018 18:01

Instrument :

MSVOA_U

ClientSampleId :

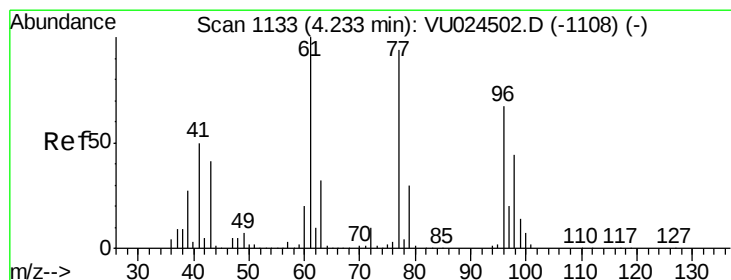
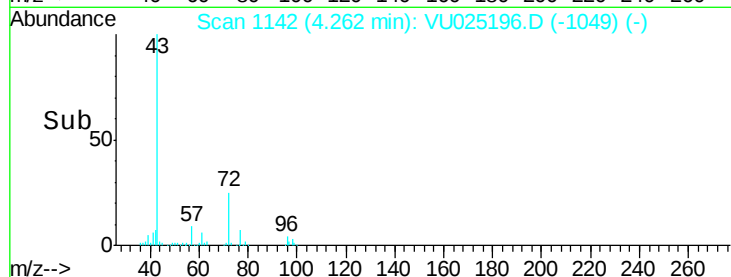
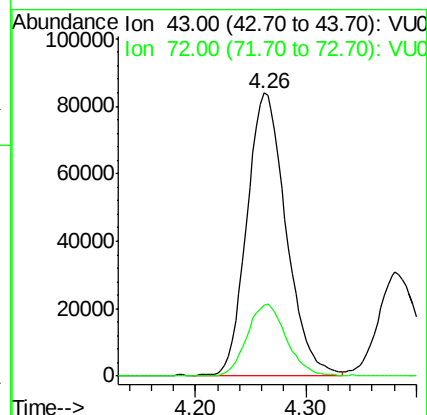
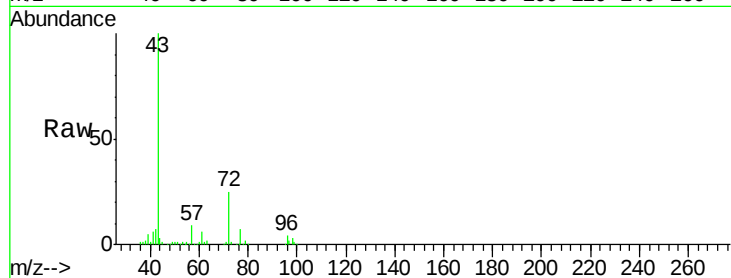
VU0703WBS02

Tot Ion: 43 Resp: 205574

Ion Ratio Lower Upper

43 100

72 25.2 19.6 29.4



#26

2,2-Dichloropropane

Concen: 18.159 ug/l

RT: 4.23 min Scan# 1132

Delta R.T. -0.00 min

Lab File: VU025196.D

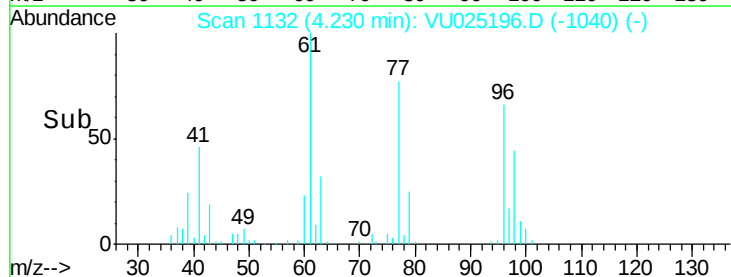
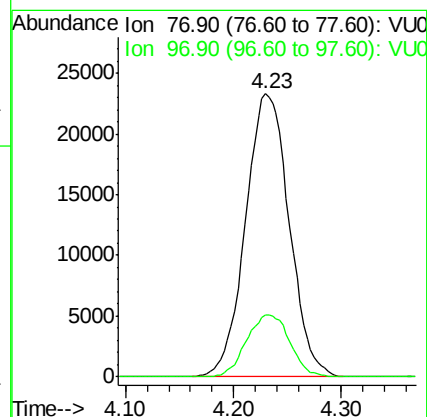
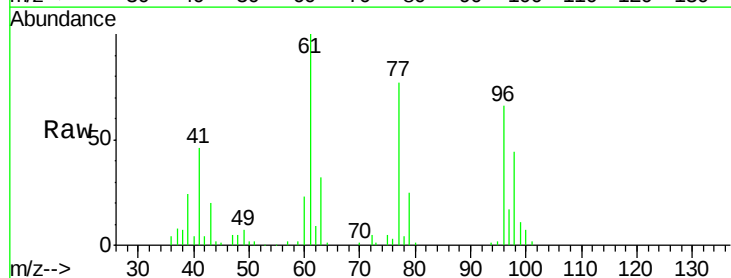
Acq: 03 Jul 2018 18:01

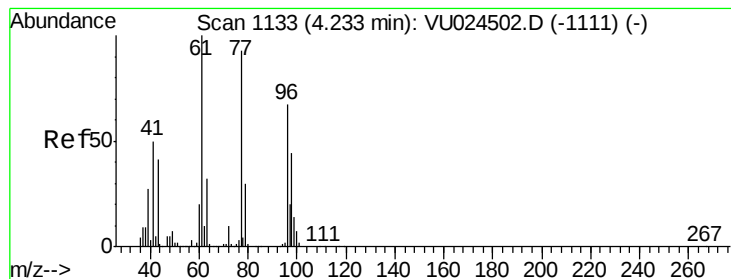
Tgt Ion: 77 Resp: 65492

Ion Ratio Lower Upper

77 100

97 21.6 11.3 33.8





#27

cis-1,2-Dichloroethene

Concen: 22.007 ug/l

RT: 4.23 min Scan# 1133

Delta R.T. -0.00 min

Lab File: VU025196.D

Acq: 03 Jul 2018 18:01

Instrument :

MSVOA_U

ClientSampleId :

VU0703WBS02

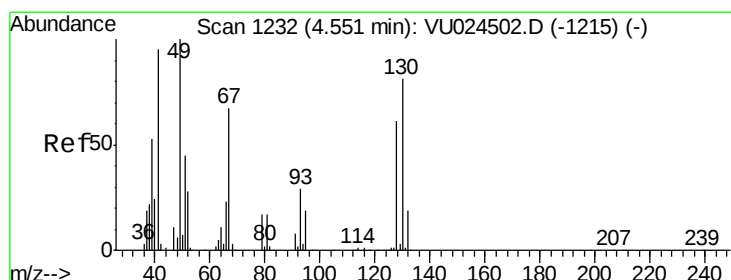
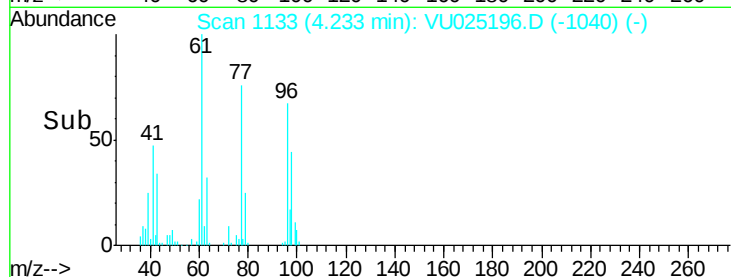
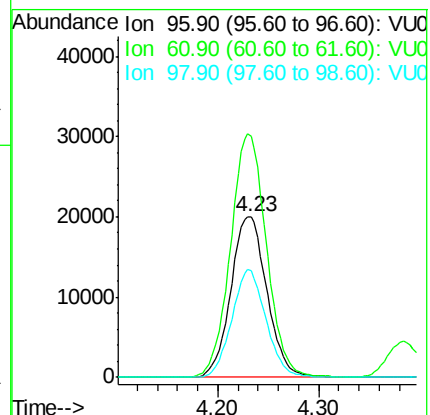
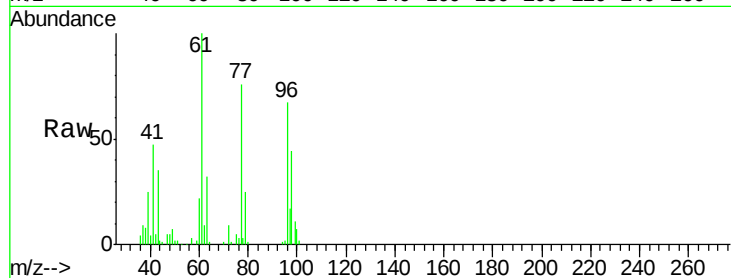
Tot Ion: 96 Resp: 49985

Ion Ratio Lower Upper

96 100

61 150.5 0.0 306.6

98 63.1 0.0 128.8



#28

Bromochloromethane

Concen: 17.156 ug/l

RT: 4.55 min Scan# 1232

Delta R.T. -0.00 min

Lab File: VU025196.D

Acq: 03 Jul 2018 18:01

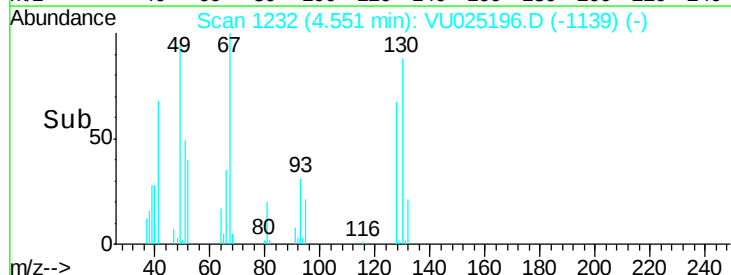
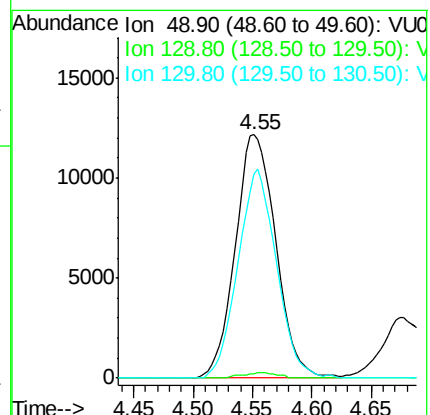
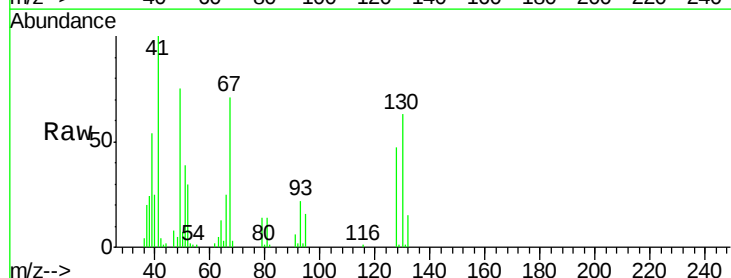
Tgt Ion: 49 Resp: 28702

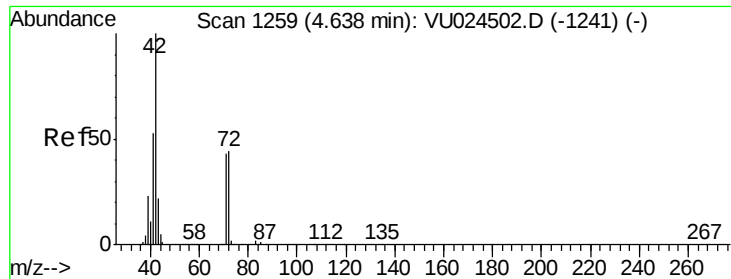
Ion Ratio Lower Upper

49 100

129 1.9 0.0 3.8

130 81.4 57.8 86.6





#29

Tetrahydrofuran

Concen: 114.870 ug/l

RT: 4.64 min Scan# 1259

Delta R.T. -0.00 min

Lab File: VU025196.D

Acq: 03 Jul 2018 18:01

Instrument :

MSVOA_U

ClientSampleId :

VU0703WBS02

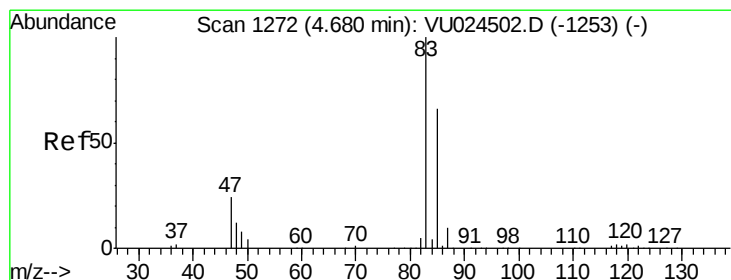
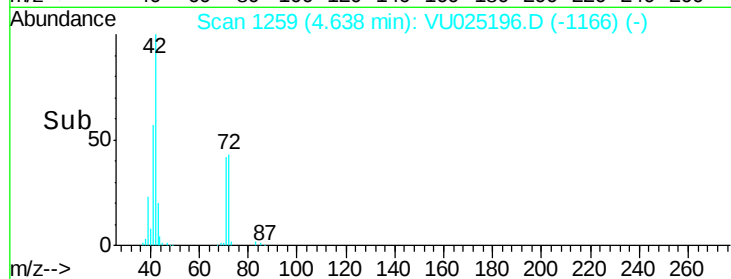
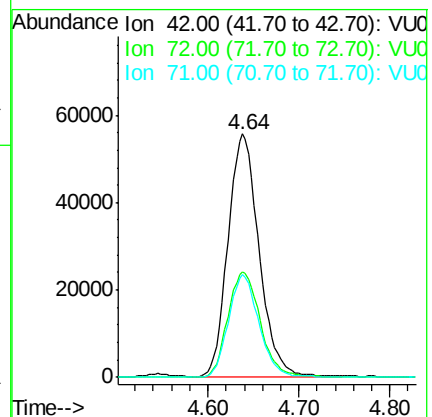
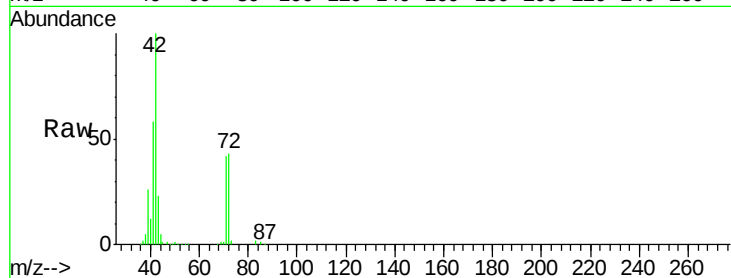
Tot Ion: 42 Resp: 132036

Ion Ratio Lower Upper

42 100

72 45.3 34.5 51.7

71 41.3 32.2 48.4



#30

Chloroform

Concen: 23.308 ug/l

RT: 4.68 min Scan# 1271

Delta R.T. -0.00 min

Lab File: VU025196.D

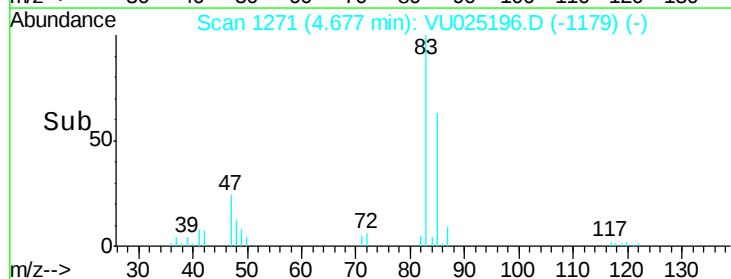
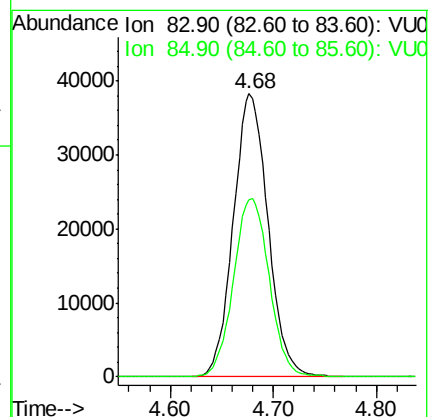
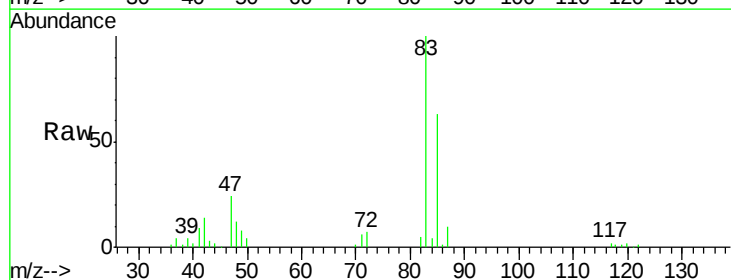
Acq: 03 Jul 2018 18:01

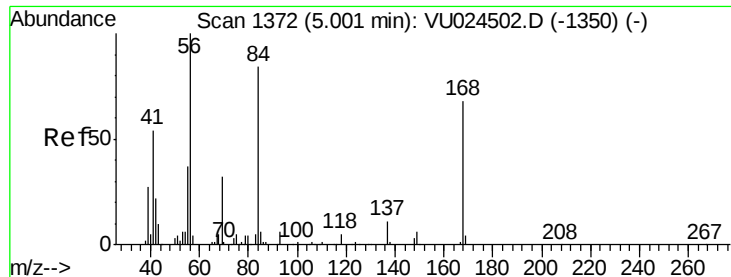
Tgt Ion: 83 Resp: 89604

Ion Ratio Lower Upper

83 100

85 62.7 52.4 78.6

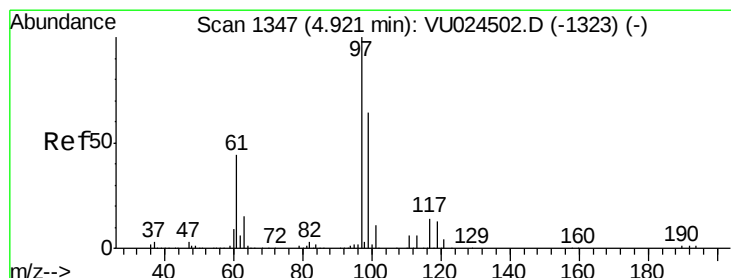
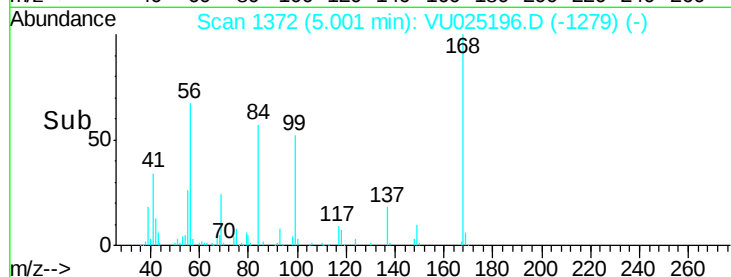
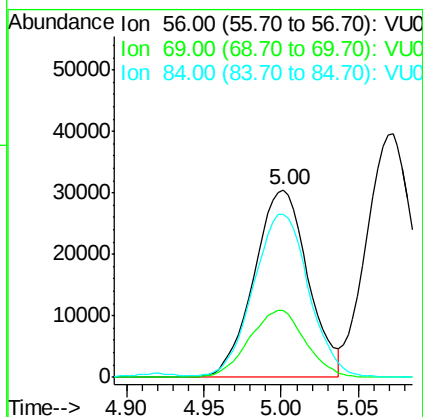
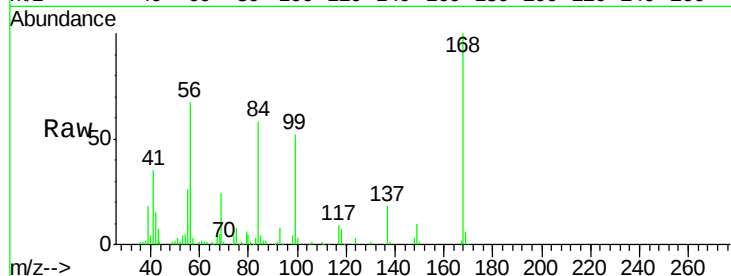




#31
Cyclohexane
Concen: 20.782 ug/l
RT: 5.00 min Scan# 1372
Delta R.T. 0.00 min
Lab File: VU025196.D
Acq: 03 Jul 2018 18:01

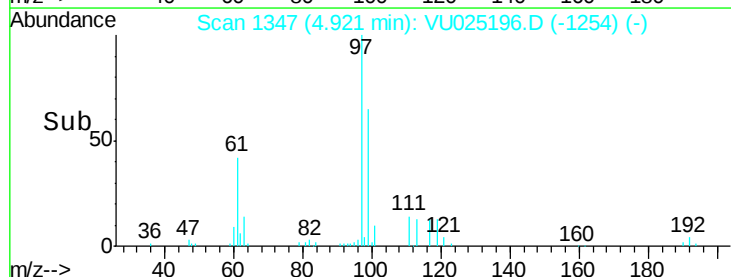
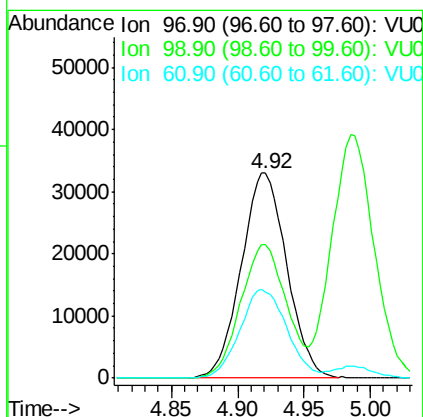
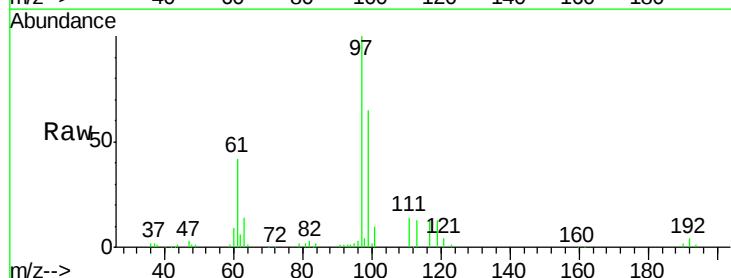
Instrument :
MSVOA_U
ClientSampleId :
VU0703WBS02

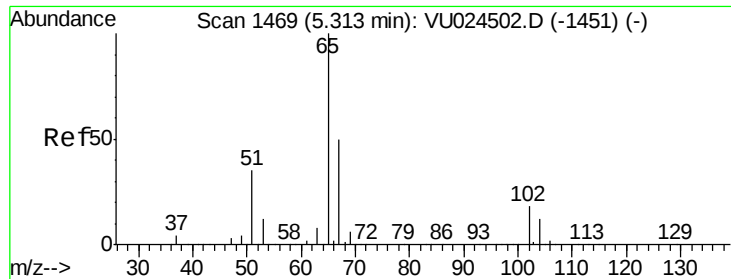
Tot Ion: 56 Resp: 73986
Ion Ratio Lower Upper
56 100
69 35.7 24.8 37.2
84 85.9 65.2 97.8



#32
1,1,1-Trichloroethane
Concen: 22.137 ug/l
RT: 4.92 min Scan# 1347
Delta R.T. -0.00 min
Lab File: VU025196.D
Acq: 03 Jul 2018 18:01

Tgt Ion: 97 Resp: 78696
Ion Ratio Lower Upper
97 100
99 66.1 51.0 76.6
61 44.4 39.4 59.0





#33

1,2-Dichloroethane-d4

Concen: 49.652 ug/l

RT: 5.31 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VU025196.D

Acq: 03 Jul 2018 18:01

Instrument :

MSVOA_U

ClientSampleId :

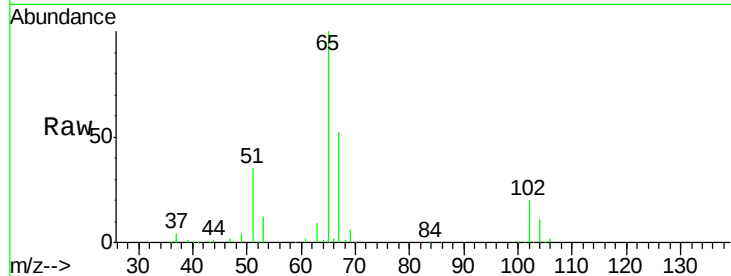
VU0703WBS02

Tot Ion: 65 Resp: 127696

Ion Ratio Lower Upper

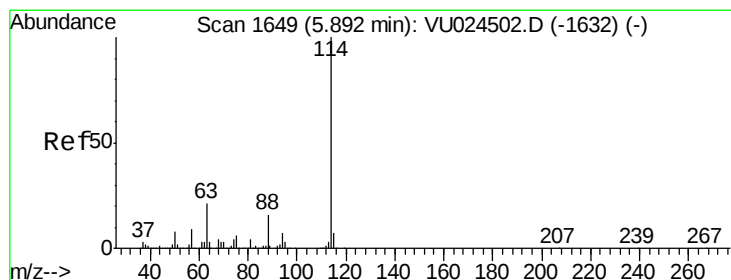
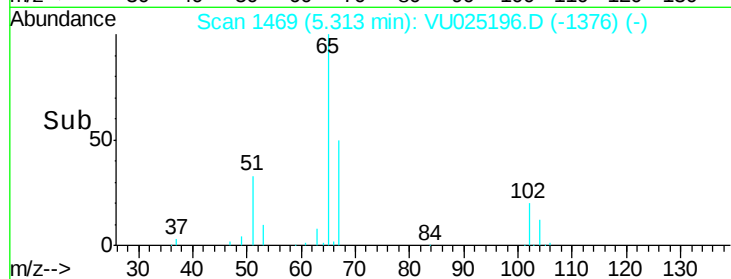
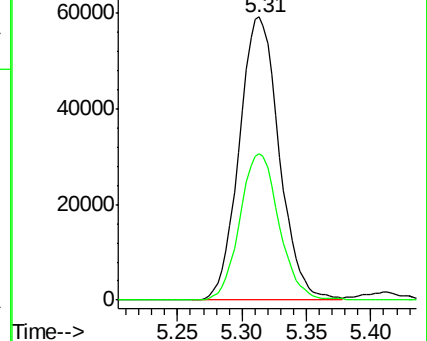
65 100

67 50.7 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# 1648

Delta R.T. -0.00 min

Lab File: VU025196.D

Acq: 03 Jul 2018 18:01

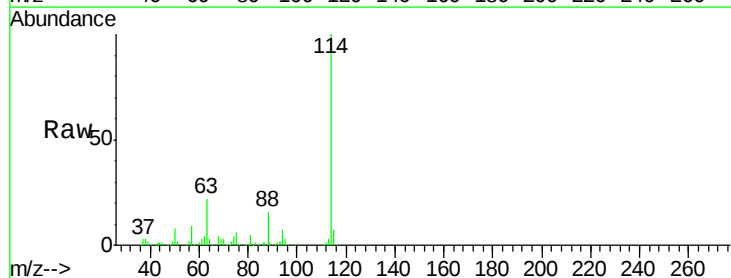
Tgt Ion: 114 Resp: 238810

Ion Ratio Lower Upper

114 100

63 22.0 0.0 45.4

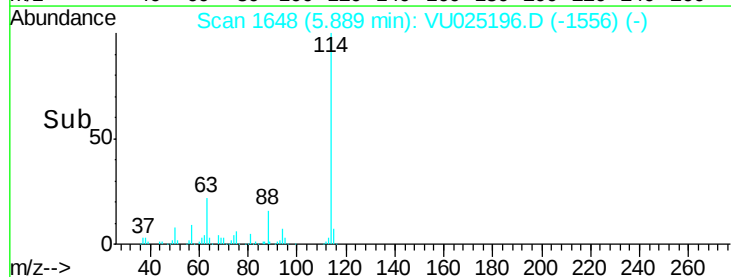
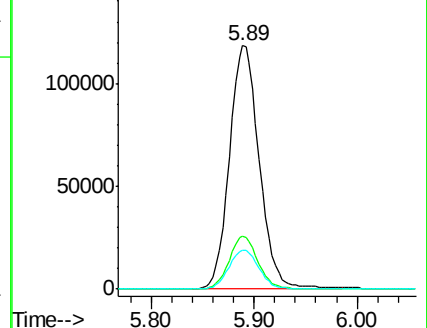
88 16.0 0.0 31.0

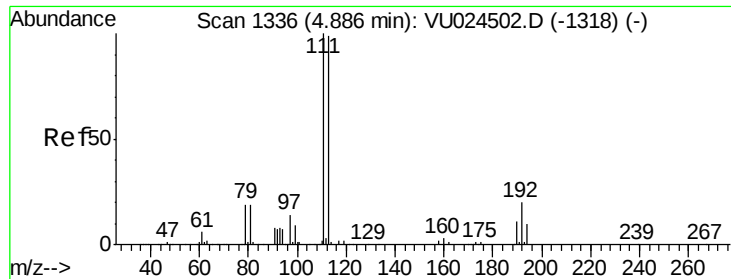


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VU0

Ion 87.90 (87.60 to 88.60): VU0

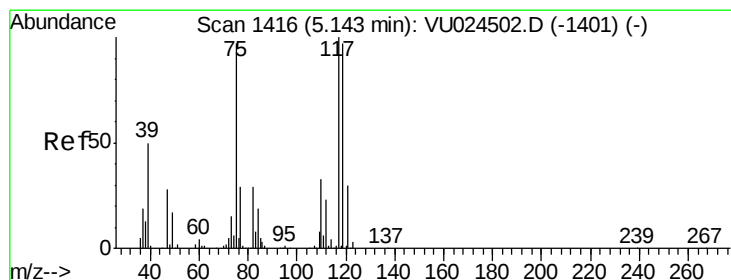
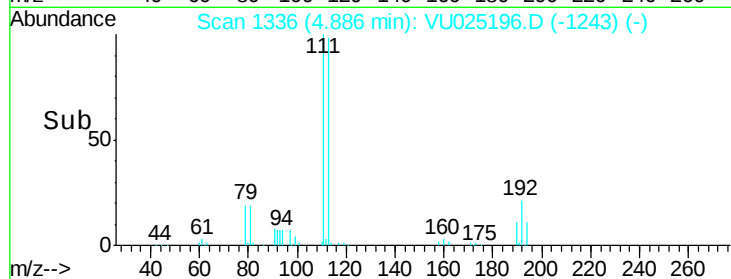
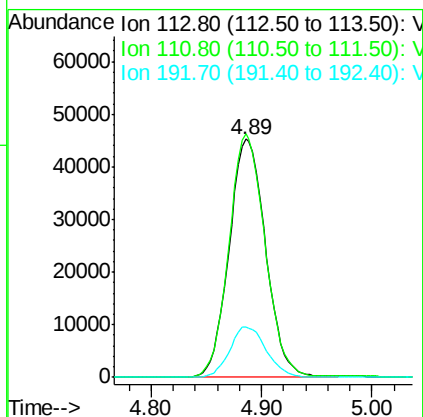
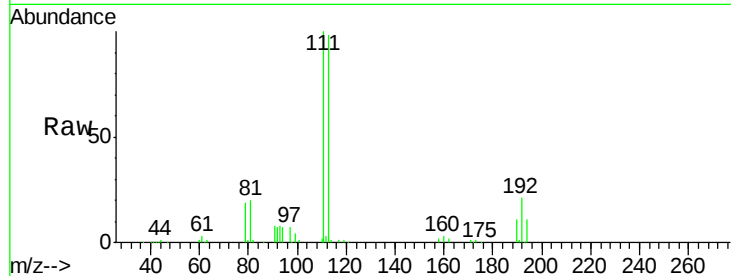




#35
 Dibromofluoromethane
 Concen: 52.528 ug/l
 RT: 4.89 min Scan# 1336
 Delta R.T. -0.00 min
 Lab File: VU025196.D
 Acq: 03 Jul 2018 18:01

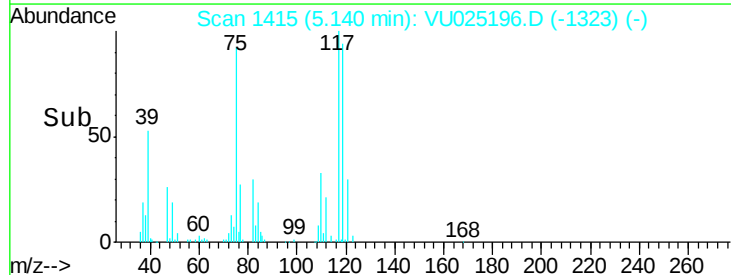
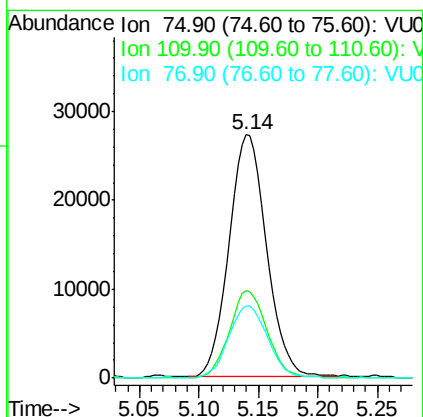
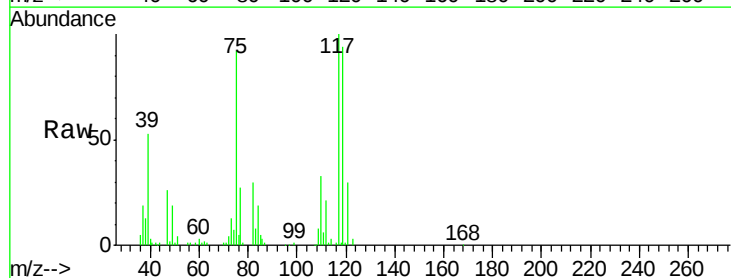
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0703WBS02

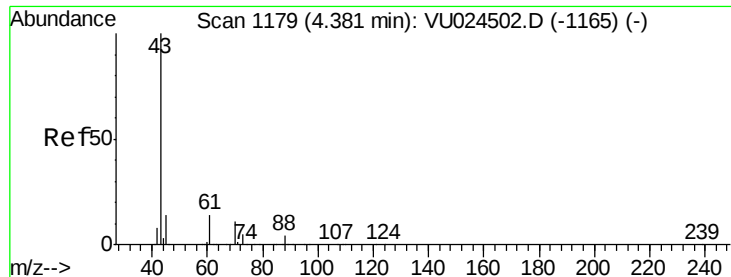
Tot Ion	Ratio	Lower	Upper
113	100		
111	101.0	82.2	123.4
192	21.2	16.2	24.4



#36
 1,1-Dichloropropene
 Concen: 21.117 ug/l
 RT: 5.14 min Scan# 1415
 Delta R.T. -0.00 min
 Lab File: VU025196.D
 Acq: 03 Jul 2018 18:01

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.4	17.0	50.9
77	31.6	24.2	36.4

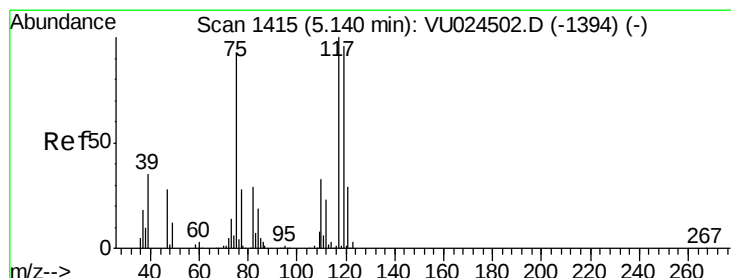
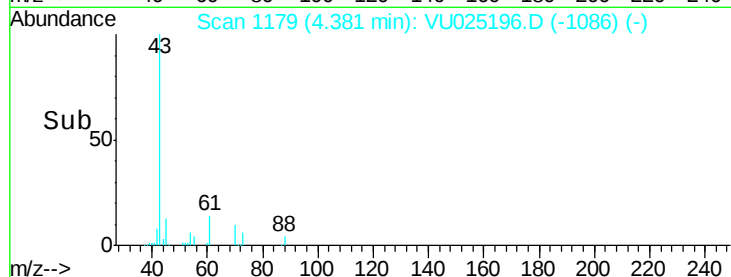
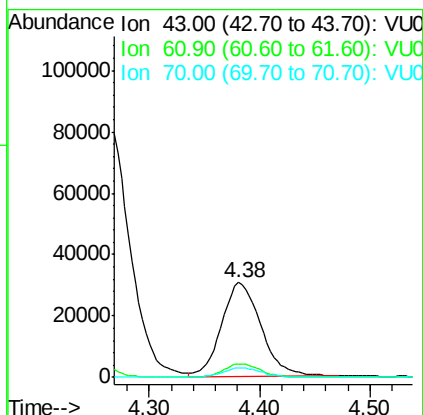
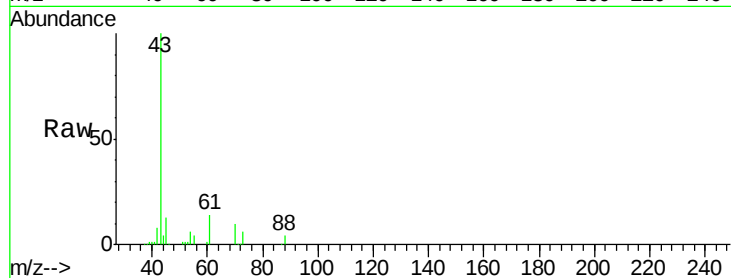




#37
Ethyl Acetate
Concen: 24.783 ug/l
RT: 4.38 min Scan# 1179
Delta R.T. -0.00 min
Lab File: VU025196.D
Acq: 03 Jul 2018 18:01

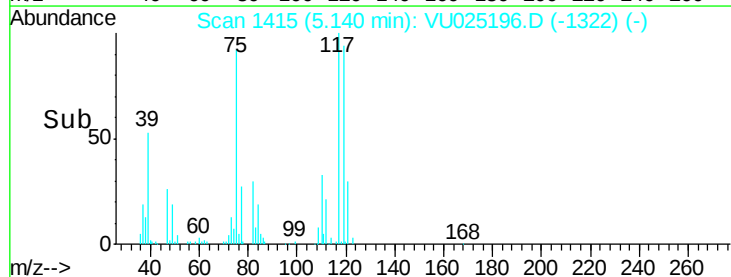
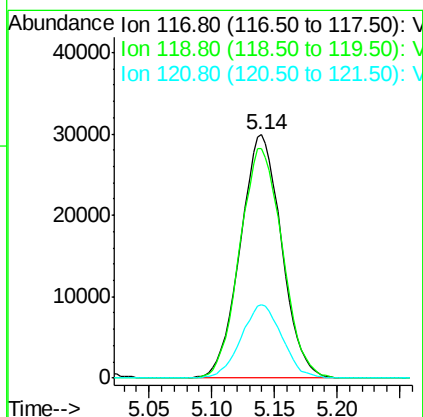
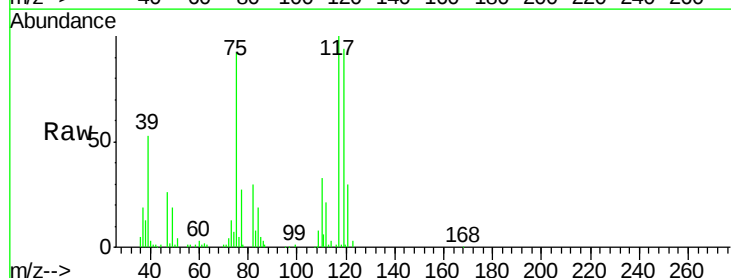
Instrument :
MSVOA_U
ClientSampleId :
VU0703WBS02

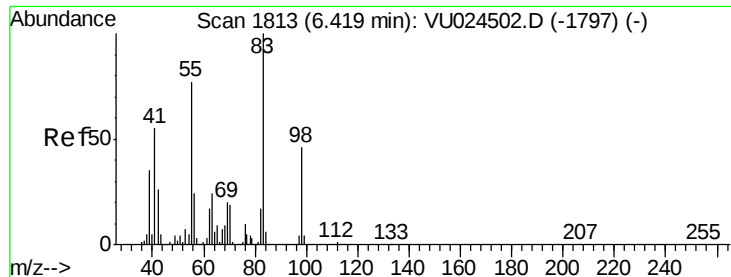
Tot Ion: 43 Resp: 75801
Ion Ratio Lower Upper
43 100
61 13.6 10.5 15.7
70 10.2 7.4 11.2



#38
Carbon Tetrachloride
Concen: 22.148 ug/l
RT: 5.14 min Scan# 1415
Delta R.T. -0.00 min
Lab File: VU025196.D
Acq: 03 Jul 2018 18:01

Tgt Ion: 117 Resp: 68345
Ion Ratio Lower Upper
117 100
119 94.3 76.1 114.1
121 30.4 23.7 35.5

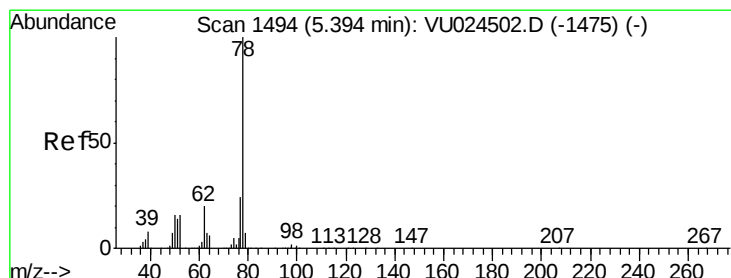
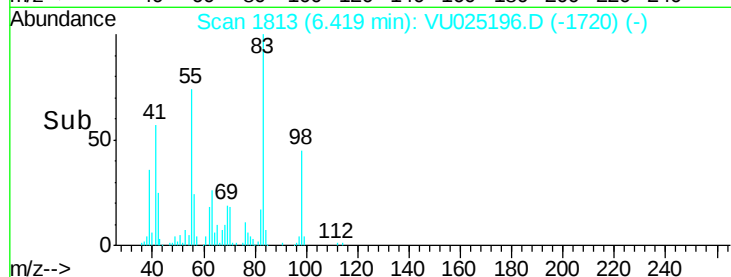
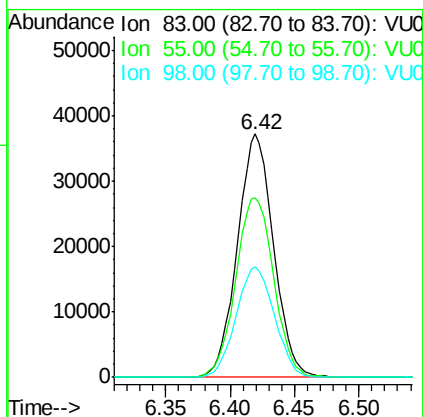
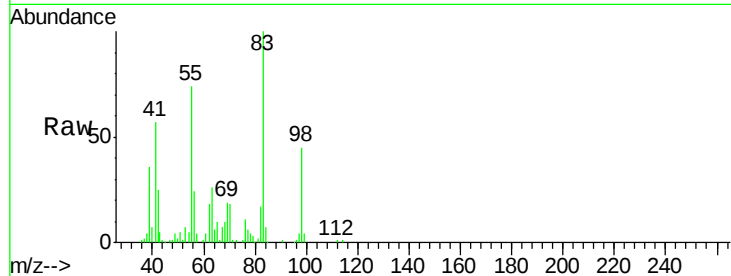




#39
Methvlcvclohexane
Concen: 20.721 ug/l
RT: 6.42 min Scan# 1813
Delta R.T. -0.00 min
Lab File: VU025196.D
Acq: 03 Jul 2018 18:01

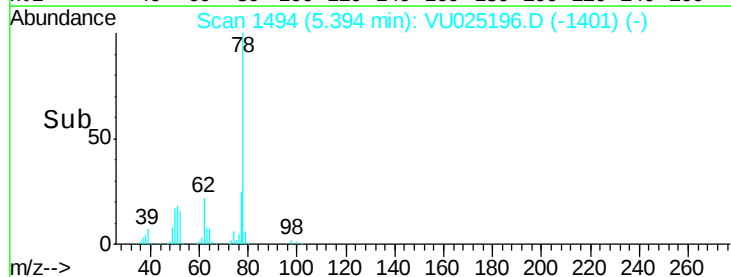
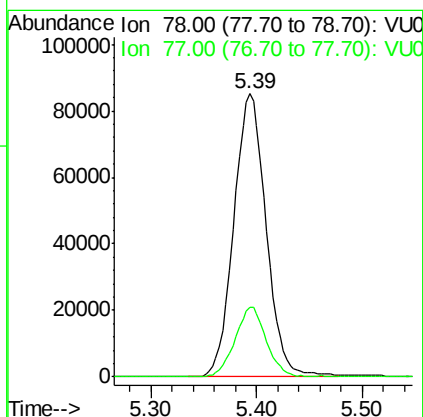
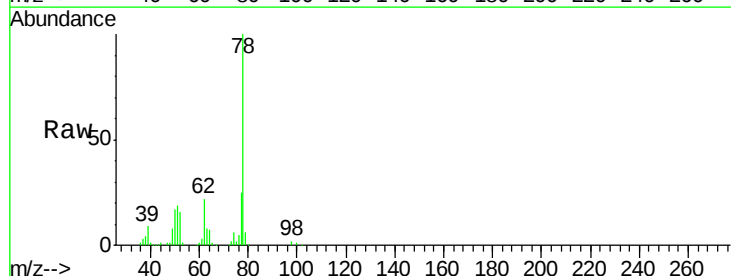
Instrument :
MSVOA_U
ClientSampleId :
VU0703WBS02

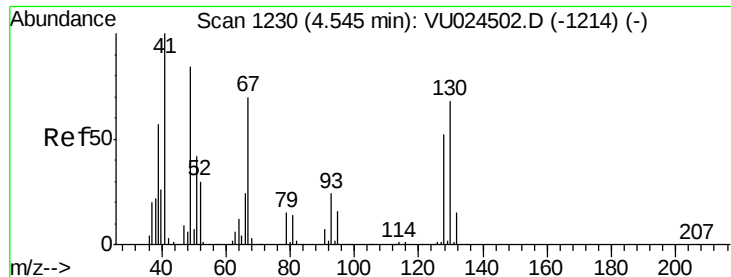
Tot Ion: 83 Resp: 72565
Ion Ratio Lower Upper
83 100
55 74.0 65.8 98.6
98 45.5 36.7 55.1



#40
Benzene
Concen: 22.627 ug/l
RT: 5.39 min Scan# 1494
Delta R.T. -0.00 min
Lab File: VU025196.D
Acq: 03 Jul 2018 18:01

Tgt Ion: 78 Resp: 180932
Ion Ratio Lower Upper
78 100
77 24.6 19.2 28.8

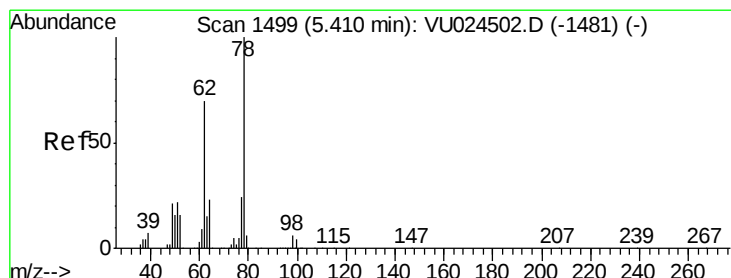
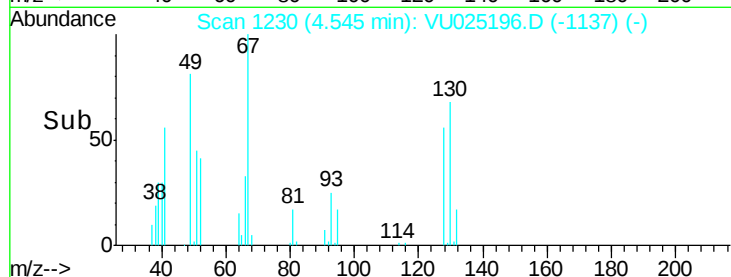
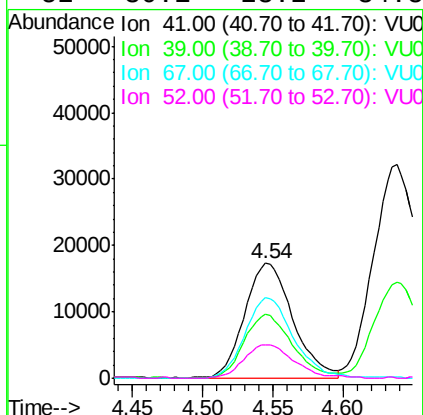
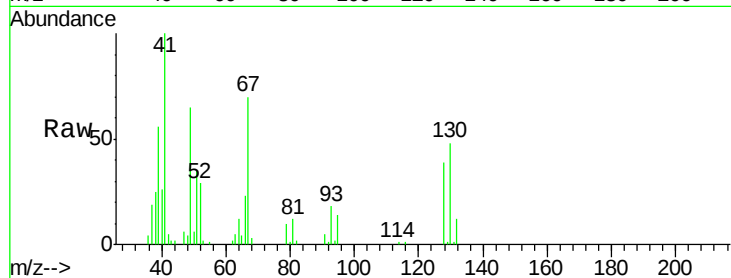




#41
Methacrylonitrile
Concen: 25.266 ug/l
RT: 4.54 min Scan# 1230
Delta R.T. -0.00 min
Lab File: VU025196.D
Acq: 03 Jul 2018 18:01

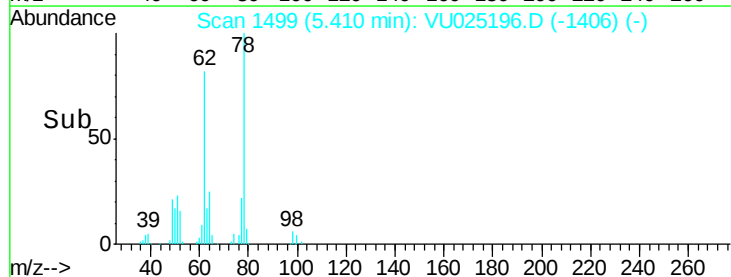
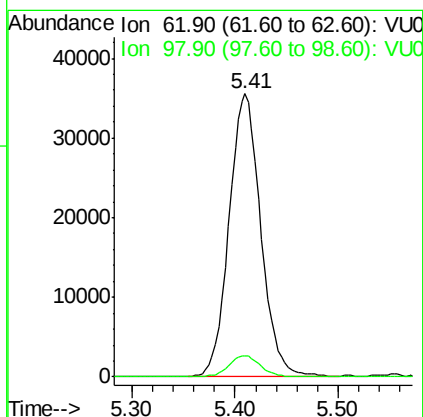
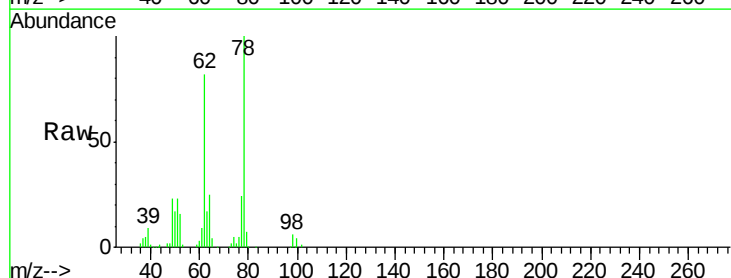
Instrument :
MSVOA_U
ClientSampleId :
VU0703WBS02

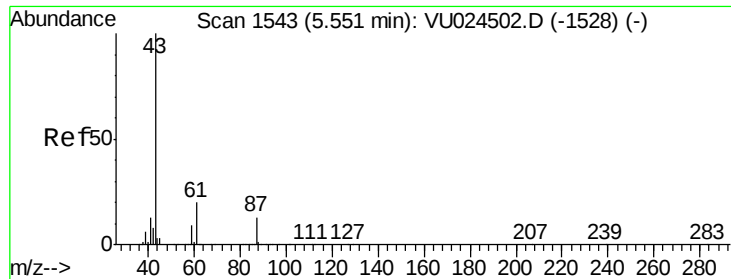
Tot Ion:	41	Resp:	41666
Ion	Ratio	Lower	Upper
41	100		
39	55.8	43.8	65.6
67	69.8	56.3	84.5
52	30.1	23.2	34.8



#42
1,2-Dichloroethane
Concen: 25.012 ug/l
RT: 5.41 min Scan# 1499
Delta R.T. -0.00 min
Lab File: VU025196.D
Acq: 03 Jul 2018 18:01

Tgt Ion:	62	Resp:	76173
Ion	Ratio	Lower	Upper
62	100		
98	7.4	0.0	16.6



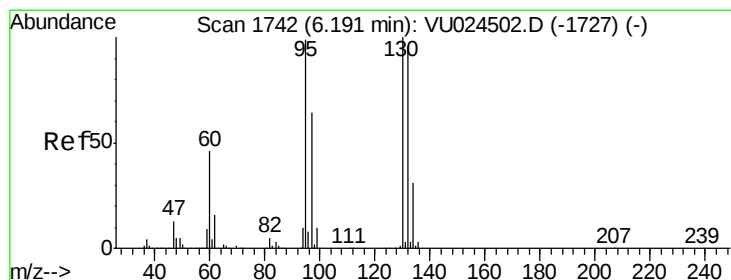
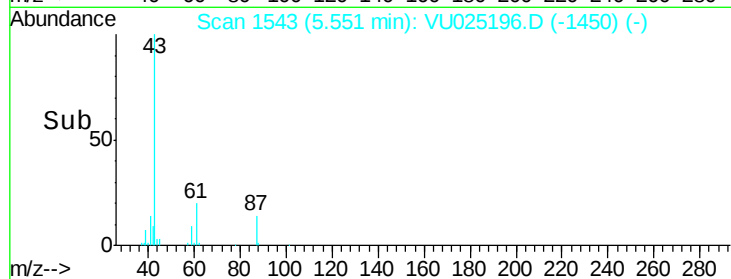
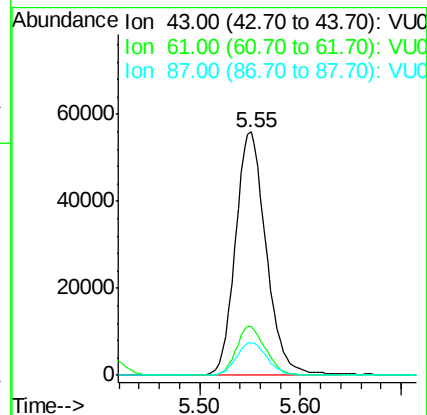
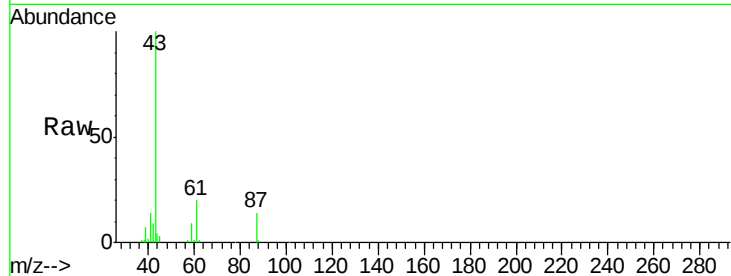


#43

Isopropyl Acetate
 Concen: 22.379 ug/l
 RT: 5.55 min Scan# 1543
 Delta R.T. -0.00 min
 Lab File: VU025196.D
 Acq: 03 Jul 2018 18:01

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0703WBS02

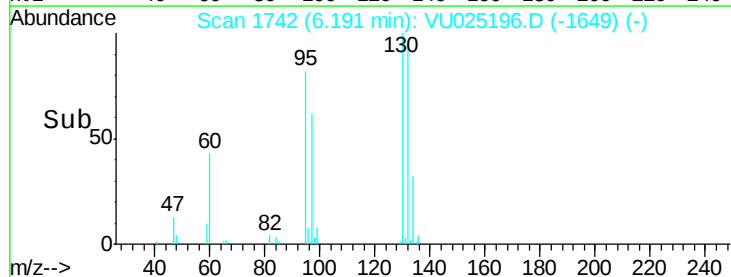
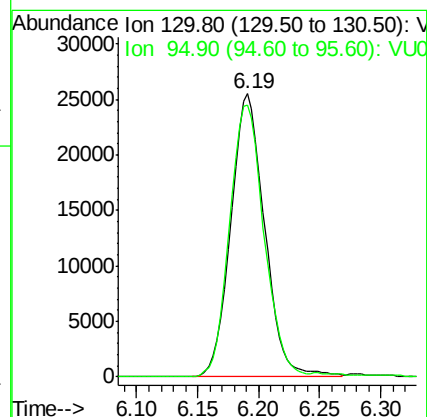
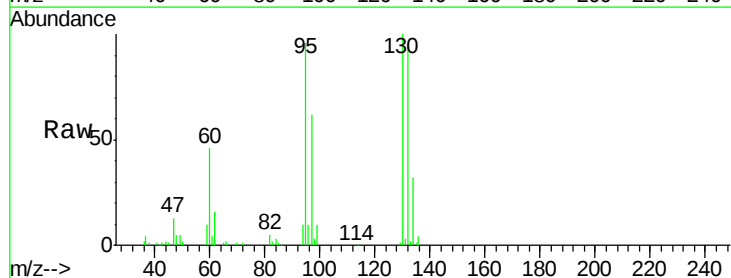
Tot Ion	43	Resp	118317
Ion	Ratio	Lower	Upper
43	100		
61	19.2	15.4	23.0
87	13.5	10.0	15.0

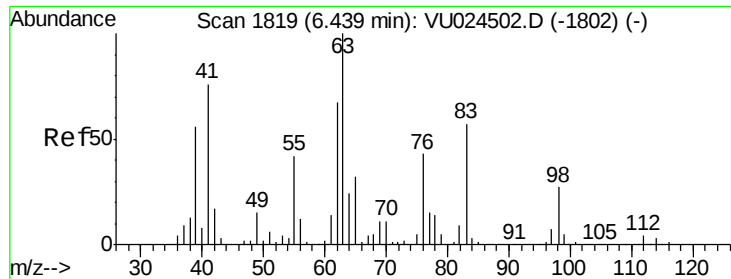


#44

Trichloroethene
 Concen: 21.695 ug/l
 RT: 6.19 min Scan# 1742
 Delta R.T. -0.00 min
 Lab File: VU025196.D
 Acq: 03 Jul 2018 18:01

Tgt Ion	130	Resp	49371
Ion	Ratio	Lower	Upper
130	100		
95	96.2	0.0	202.4

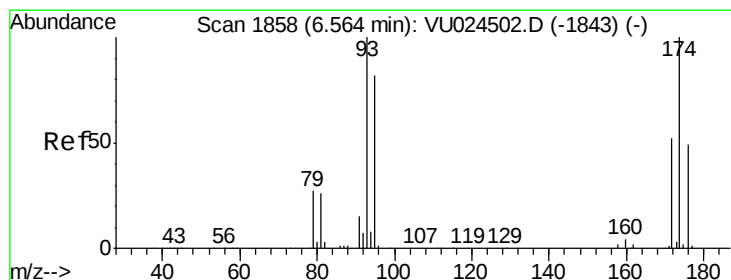
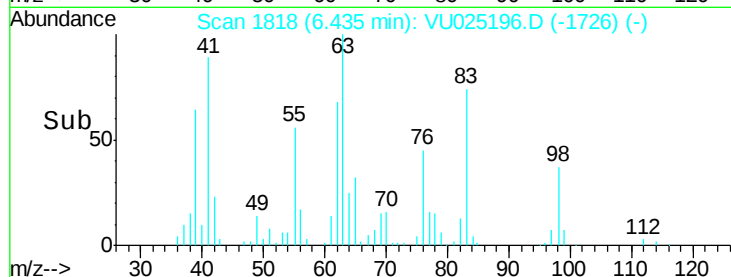
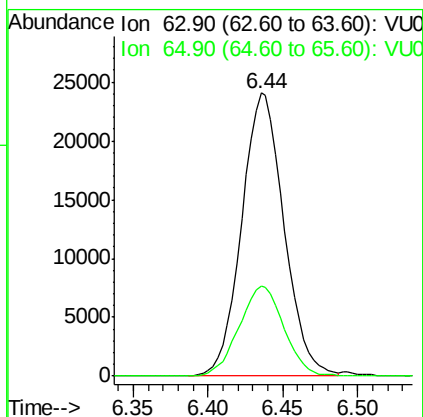
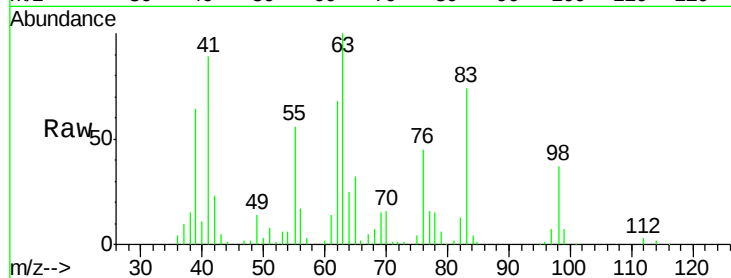




#45
 1,2-Dichloropropane
 Concen: 22.210 ug/l
 RT: 6.44 min Scan# 1819
 Delta R.T. -0.00 min
 Lab File: VU025196.D
 Acq: 03 Jul 2018 18:01

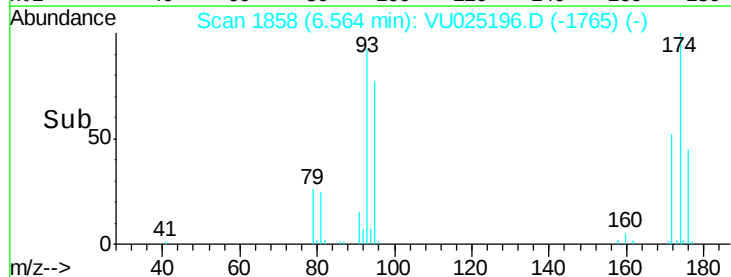
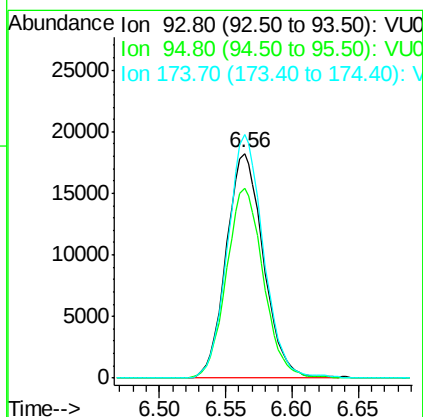
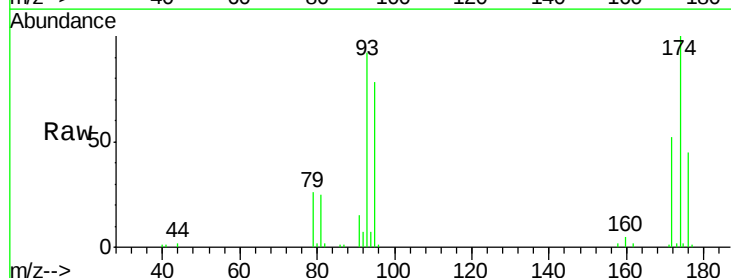
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0703WBS02

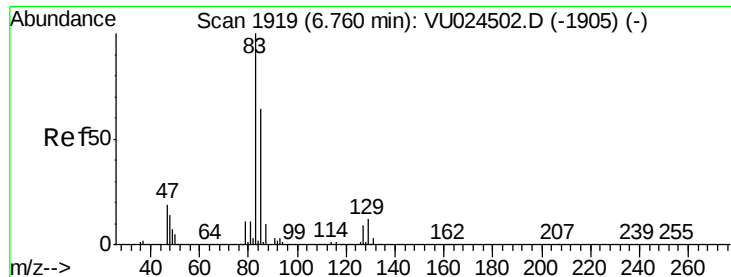
Tot Ion: 63 Resp: 47387
 Ion Ratio Lower Upper
 63 100
 65 31.8 24.8 37.2



#46
 Dibromomethane
 Concen: 23.675 ug/l
 RT: 6.56 min Scan# 1858
 Delta R.T. -0.00 min
 Lab File: VU025196.D
 Acq: 03 Jul 2018 18:01

Tgt Ion: 93 Resp: 35480
 Ion Ratio Lower Upper
 93 100
 95 83.6 65.5 98.3
 174 104.8 78.7 118.1





#47

Bromodichloromethane

Concen: 21.812 ug/l

RT: 6.76 min Scan# 1919

Delta R.T. -0.00 min

Lab File: VU025196.D

Acq: 03 Jul 2018 18:01

Instrument :

MSVOA_U

ClientSampleId :

VU0703WBS02

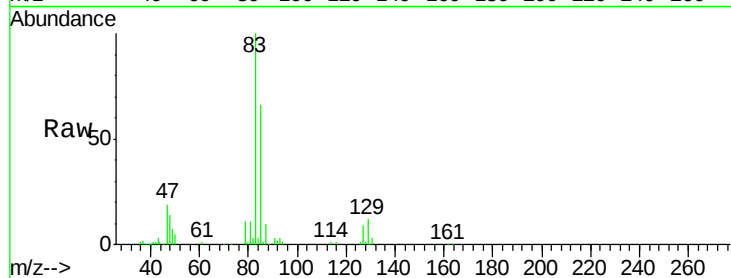
Tot Ion: 83 Resp: 65092

Ion Ratio Lower Upper

83 100

85 66.4 51.9 77.9

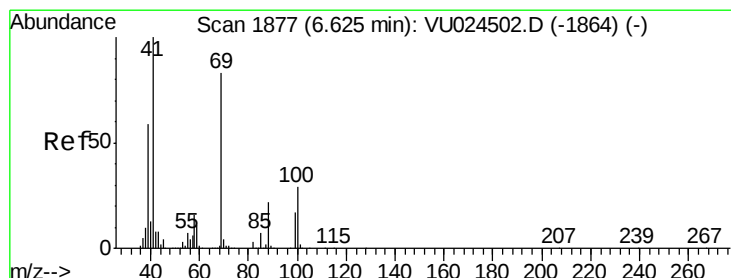
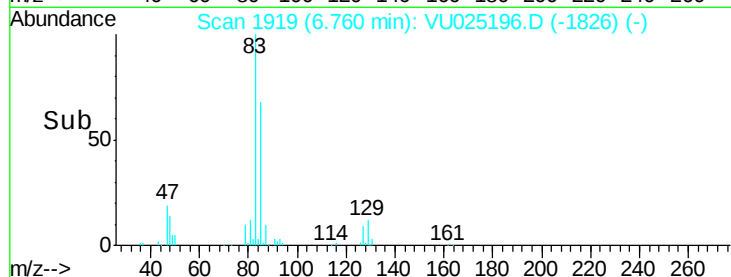
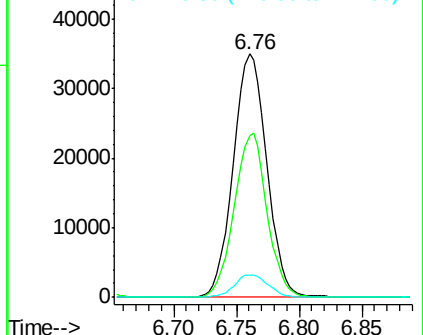
127 9.3 6.6 9.8



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: 23.643 ug/l

RT: 6.63 min Scan# 1877

Delta R.T. -0.00 min

Lab File: VU025196.D

Acq: 03 Jul 2018 18:01

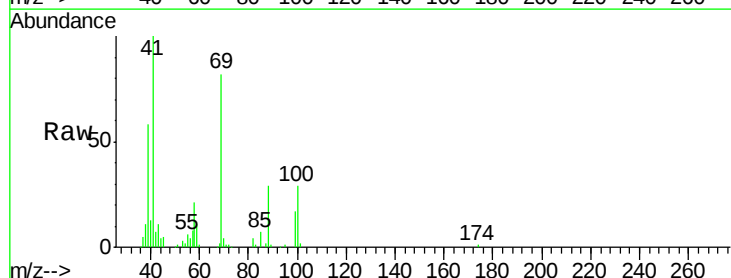
Tgt Ion: 41 Resp: 60865

Ion Ratio Lower Upper

41 100

69 81.7 67.3 100.9

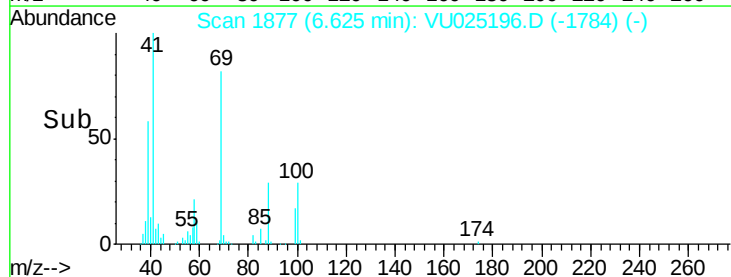
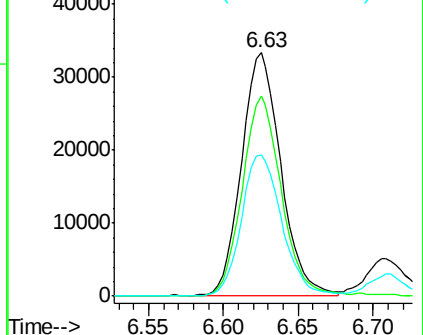
39 60.0 46.5 69.7

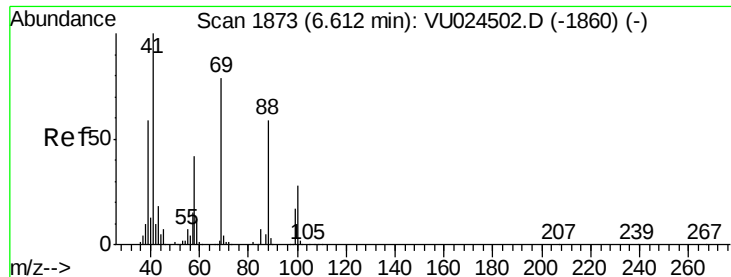


Abundance Ion 41.00 (40.70 to 41.70): VU0

Ion 69.00 (68.70 to 69.70): VU0

Ion 39.00 (38.70 to 39.70): VU0





#49

1,4-Dioxane

Concen: 541.063 ug/l

RT: 6.61 min Scan# 1873

Delta R.T. -0.00 min

Lab File: VU025196.D

Acq: 03 Jul 2018 18:01

Instrument :

MSVOA_U

ClientSampleId :

VU0703WBS02

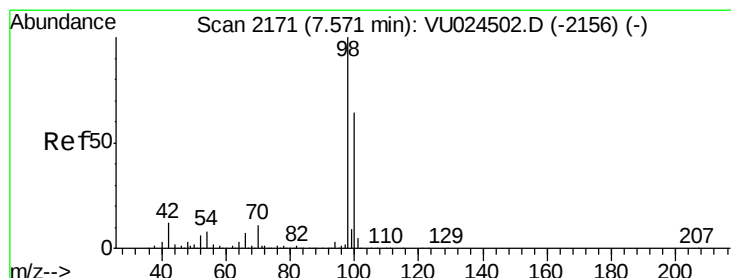
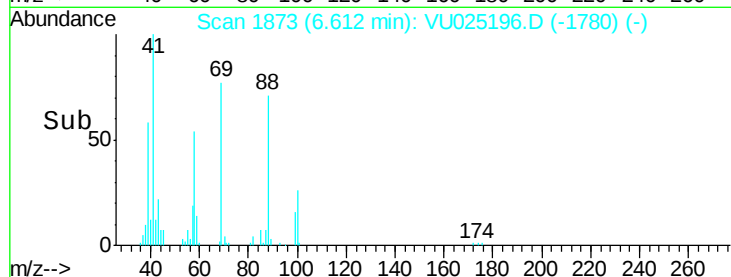
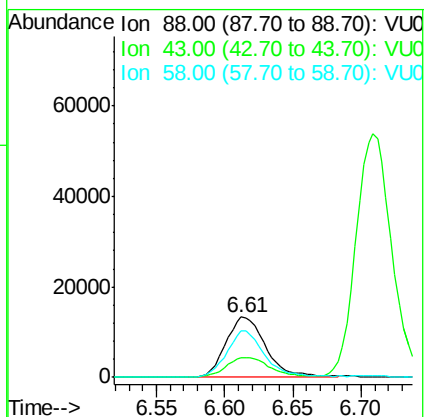
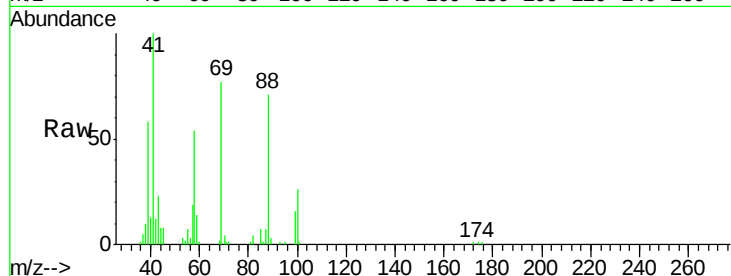
Tot Ion: 88 Resp: 27240

Ion Ratio Lower Upper

88 100

43 36.3 28.6 42.8

58 72.3 58.2 87.4



#50

Toluene-d8

Concen: 45.067 ug/l

RT: 7.57 min Scan# 2171

Delta R.T. -0.00 min

Lab File: VU025196.D

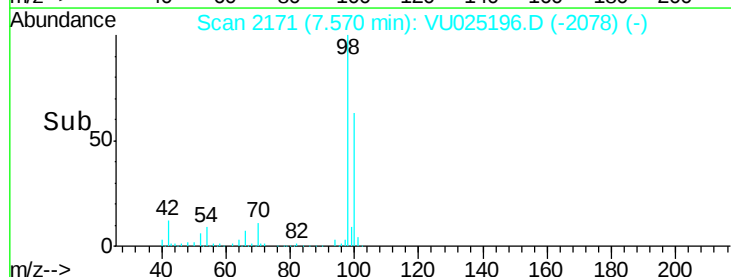
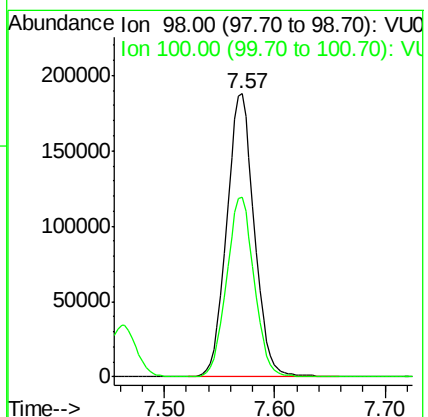
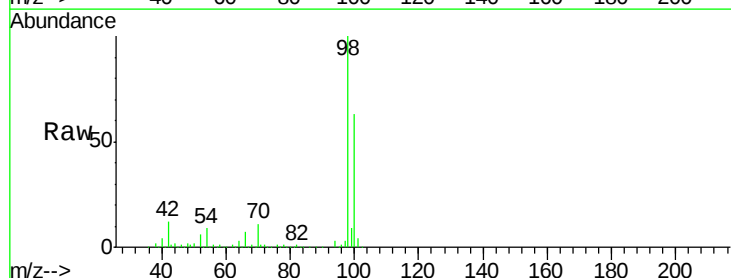
Acq: 03 Jul 2018 18:01

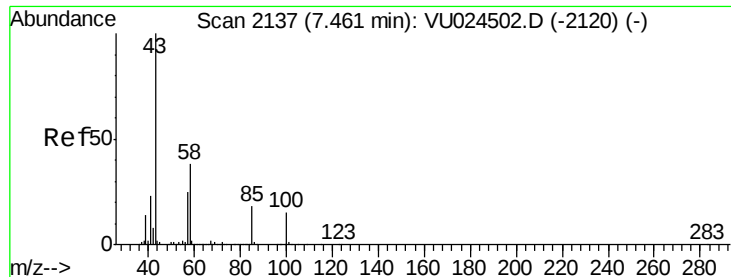
Tgt Ion: 98 Resp: 325802

Ion Ratio Lower Upper

98 100

100 63.3 51.1 76.7

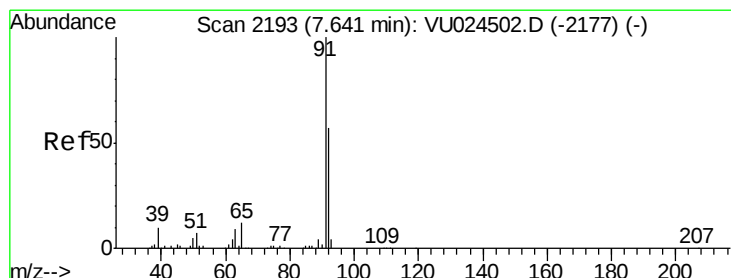
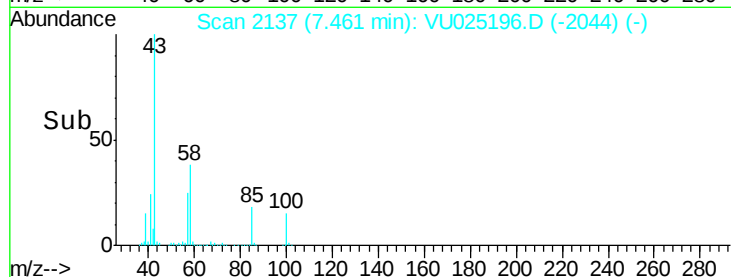
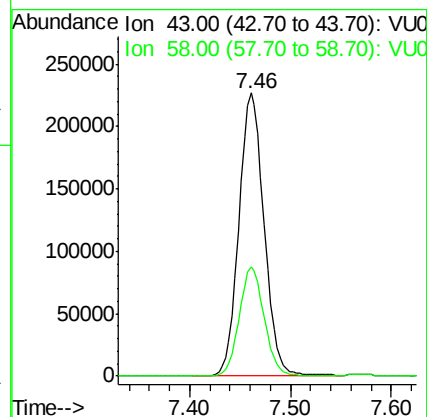
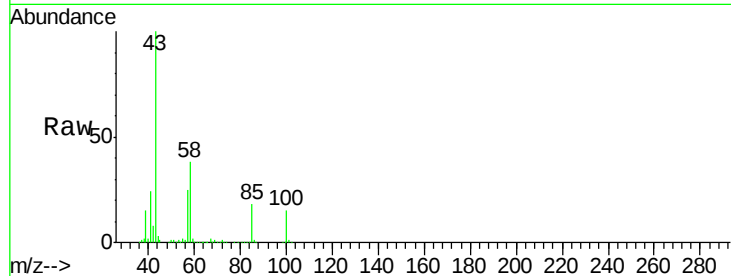




#51
 4-Methyl-2-Pentanone
 Concen: 118.507 ug/l
 RT: 7.46 min Scan# 2137
 Delta R.T. -0.00 min
 Lab File: VU025196.D
 Acq: 03 Jul 2018 18:01

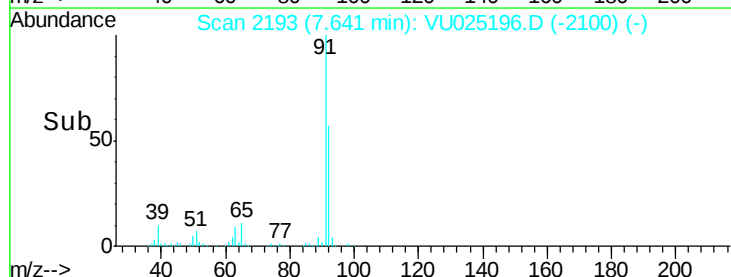
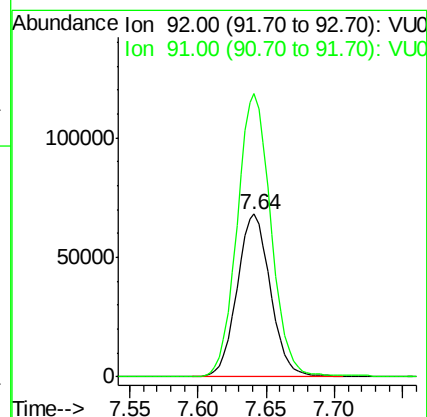
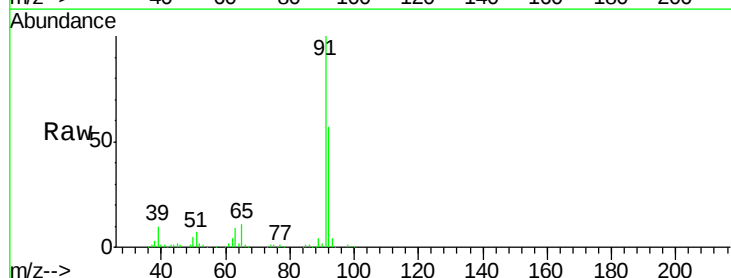
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0703WBS02

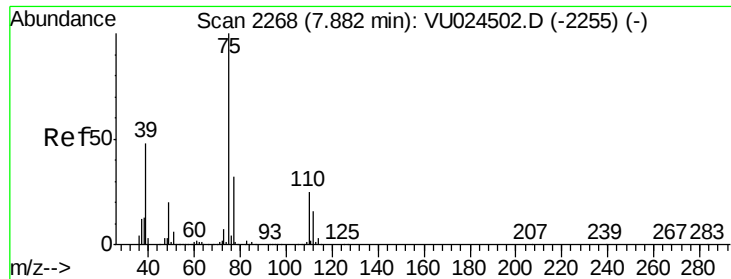
Tot Ion: 43 Resp: 393617
 Ion Ratio Lower Upper
 43 100
 58 38.1 30.0 45.0



#52
 Toluene
 Concen: 22.536 ug/l
 RT: 7.64 min Scan# 2193
 Delta R.T. -0.00 min
 Lab File: VU025196.D
 Acq: 03 Jul 2018 18:01

Tgt Ion: 92 Resp: 115935
 Ion Ratio Lower Upper
 92 100
 91 176.5 140.5 210.7





#53

t-1,3-Dichloropropene

Concen: 19.859 ug/l

RT: 7.88 min Scan# 2268

Delta R.T. -0.00 min

Lab File: VU025196.D

Acq: 03 Jul 2018 18:01

Instrument :

MSVOA_U

ClientSampleId :

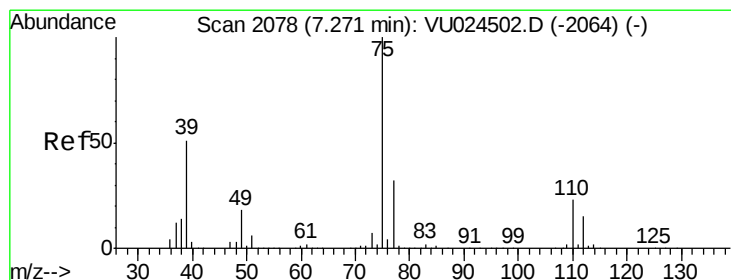
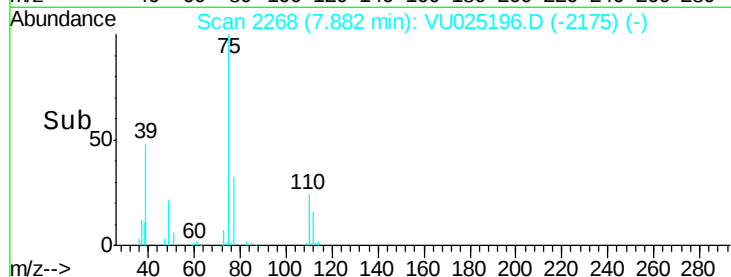
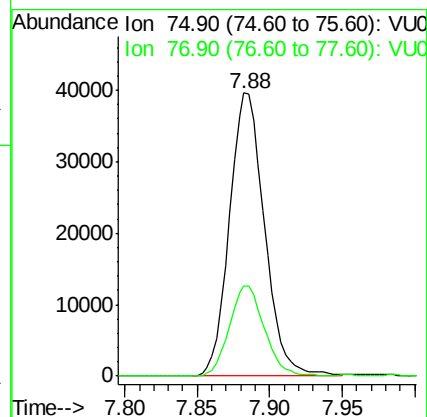
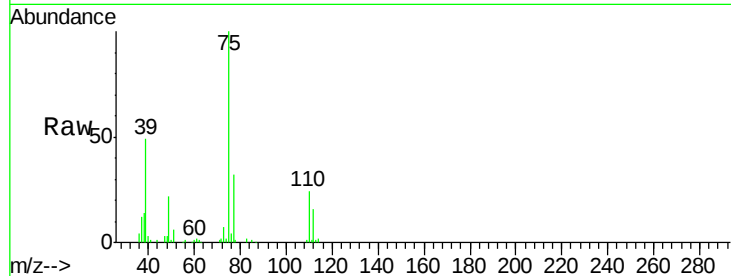
VU0703WBS02

Tot Ion: 75 Resp: 66553

Ion Ratio Lower Upper

75 100

77 32.0 24.8 37.2



#54

cis-1,3-Dichloropropene

Concen: 20.470 ug/l

RT: 7.27 min Scan# 2078

Delta R.T. -0.00 min

Lab File: VU025196.D

Acq: 03 Jul 2018 18:01

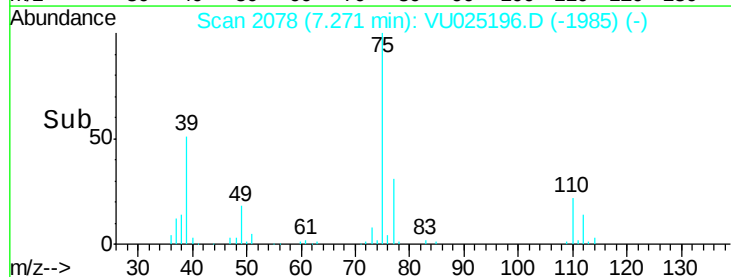
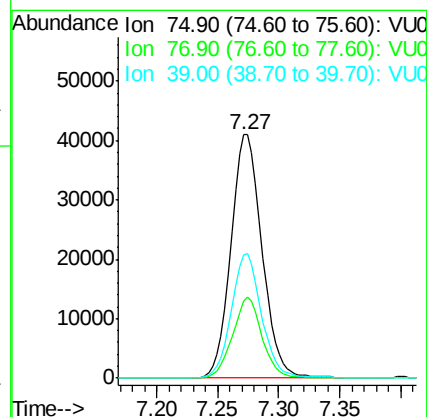
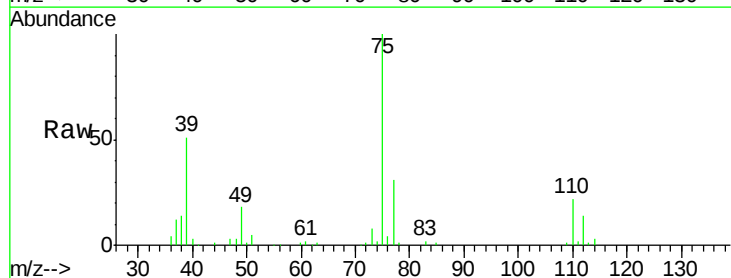
Tgt Ion: 75 Resp: 73100

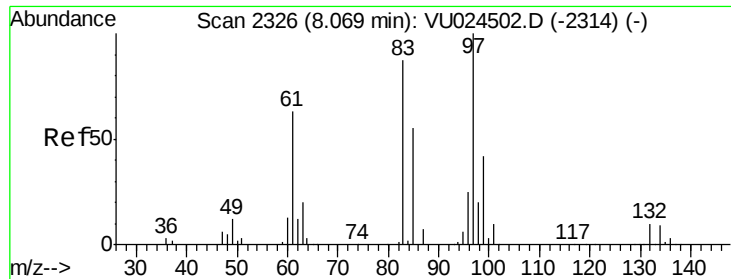
Ion Ratio Lower Upper

75 100

77 31.5 24.6 36.8

39 50.7 39.8 59.6

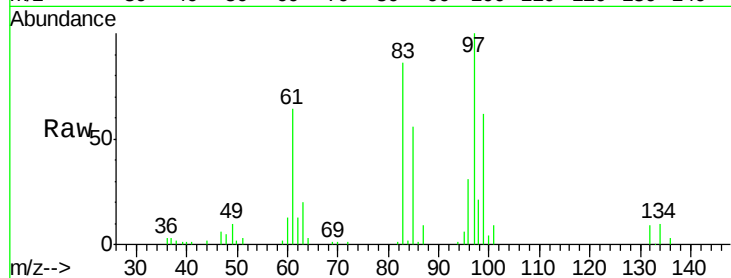




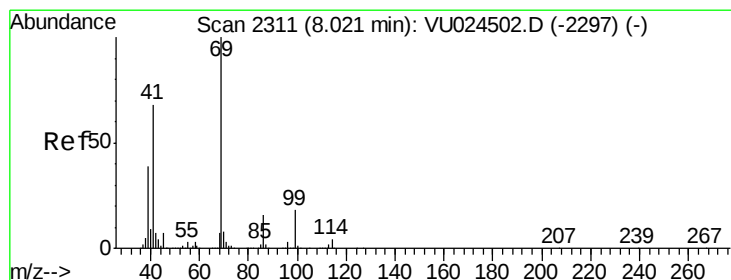
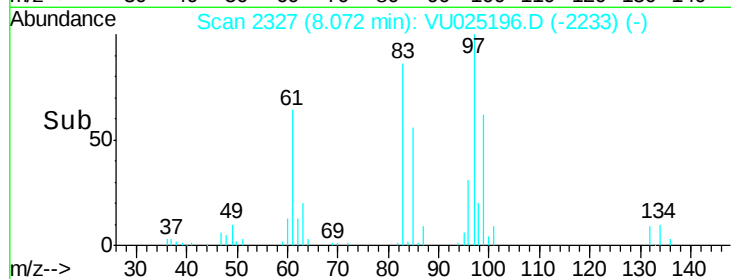
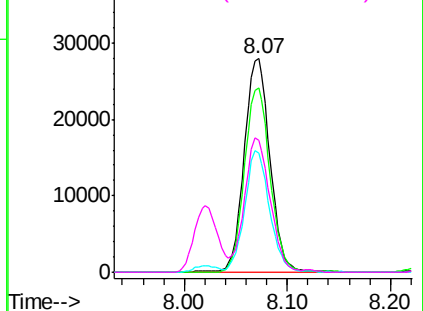
#55
 1,1,2-Trichloroethane
 Concen: 23.253 ug/l
 RT: 8.07 min Scan# 2327
 Delta R.T. 0.00 min
 Lab File: VU025196.D
 Acq: 03 Jul 2018 18:01

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0703WBS02

Tot Ion: 97 Resp: 48625
 Ion Ratio Lower Upper
 97 100
 83 86.3 70.5 105.7
 85 55.6 46.4 69.6
 99 62.0 50.2 75.2

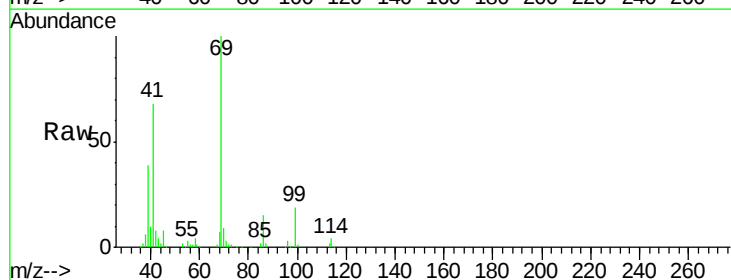


Abundance Ion 96.90 (96.60 to 97.60): VU0
 Ion 82.90 (82.60 to 83.60): VU0
 Ion 84.90 (84.60 to 85.60): VU0
 Ion 98.90 (98.60 to 99.60): VU0

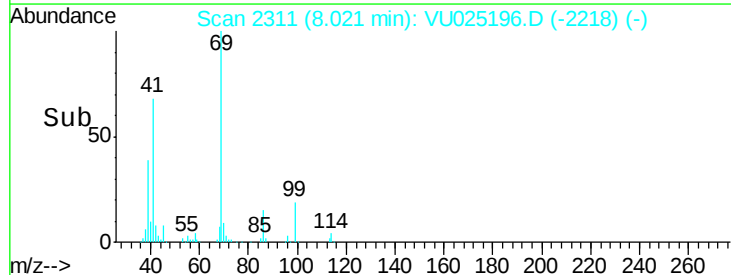
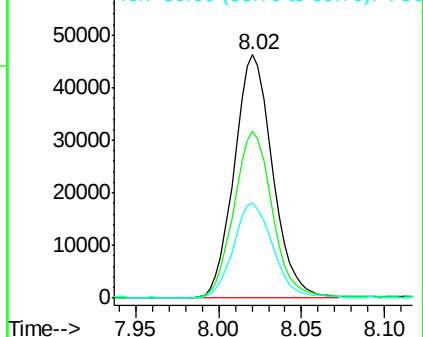


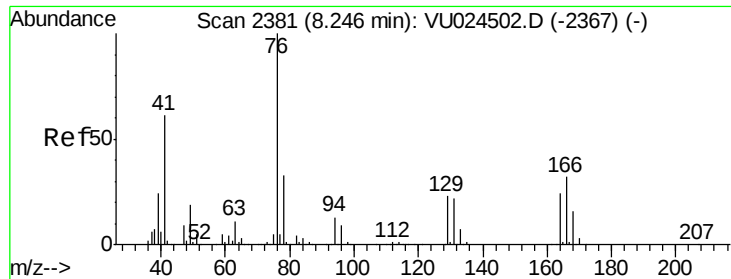
#56
 Ethyl methacrylate
 Concen: 21.311 ug/l
 RT: 8.02 min Scan# 2311
 Delta R.T. -0.00 min
 Lab File: VU025196.D
 Acq: 03 Jul 2018 18:01

Tgt Ion: 69 Resp: 74590
 Ion Ratio Lower Upper
 69 100
 41 68.6 54.1 81.1
 39 39.0 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: 23.425 ug/l

RT: 8.25 min Scan# 2381

Delta R.T. -0.00 min

Lab File: VU025196.D

Acq: 03 Jul 2018 18:01

Instrument :

MSVOA_U

ClientSampleId :

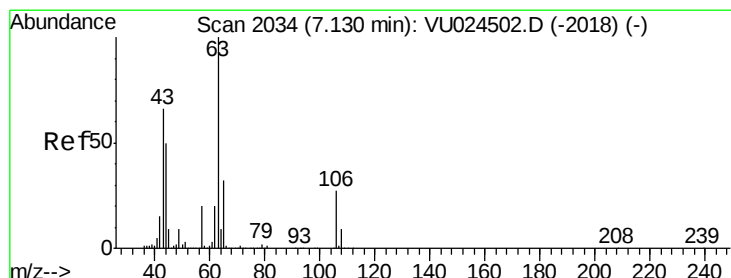
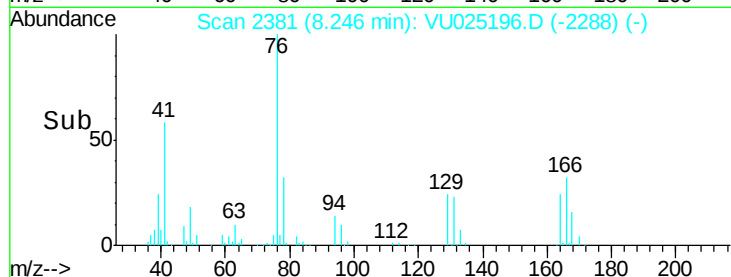
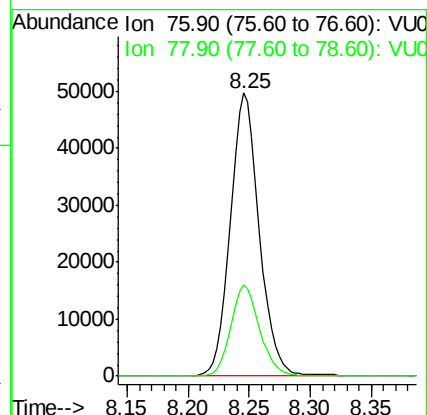
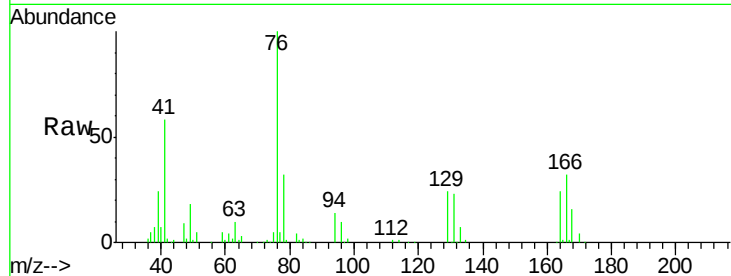
VU0703WBS02

Tot Ion: 76 Resp: 82633

Ion Ratio Lower Upper

76 100

78 32.0 25.2 37.8



#58

2-Chloroethyl Vinyl ether

Concen: 0.433 ug/l

RT: 7.14 min Scan# 2037

Delta R.T. 0.01 min

Lab File: VU025196.D

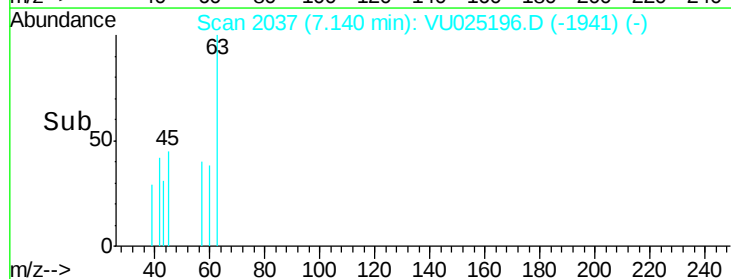
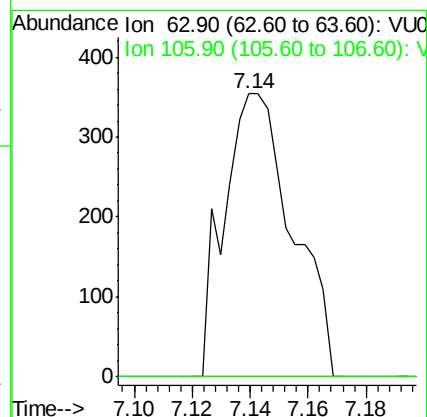
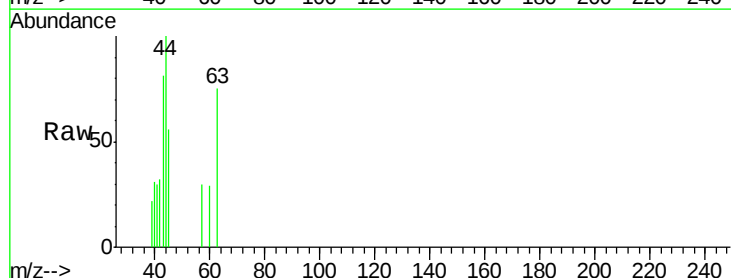
Acq: 03 Jul 2018 18:01

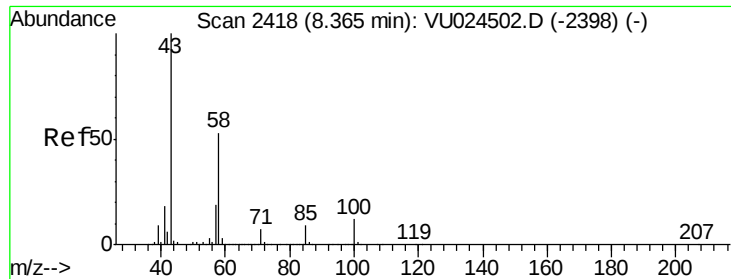
Tgt Ion: 63 Resp: 580

Ion Ratio Lower Upper

63 100

106 0.0 20.2 30.2#

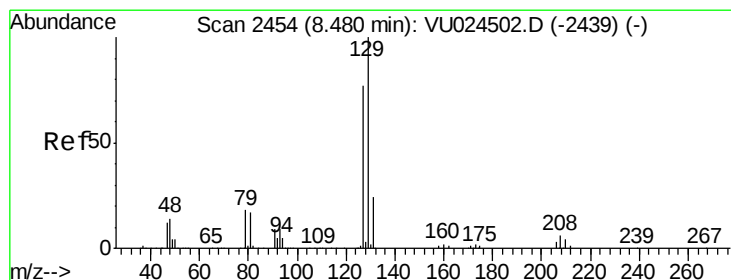
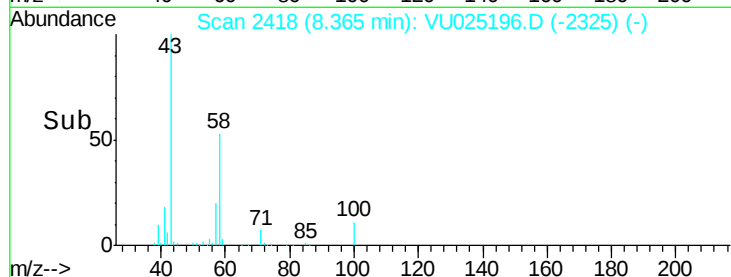
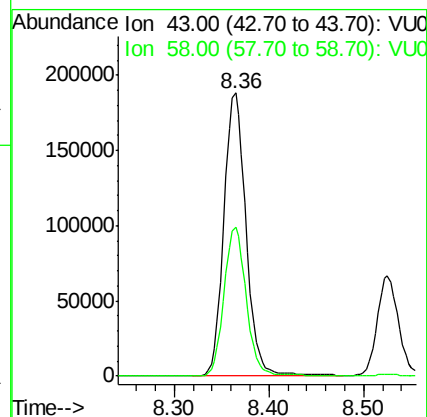
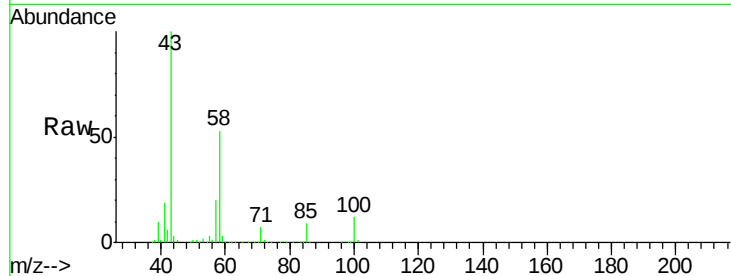




#59
2-Hexanone
Concen: 113.593 ug/l
RT: 8.36 min Scan# 2418
Delta R.T. -0.00 min
Lab File: VU025196.D
Acq: 03 Jul 2018 18:01

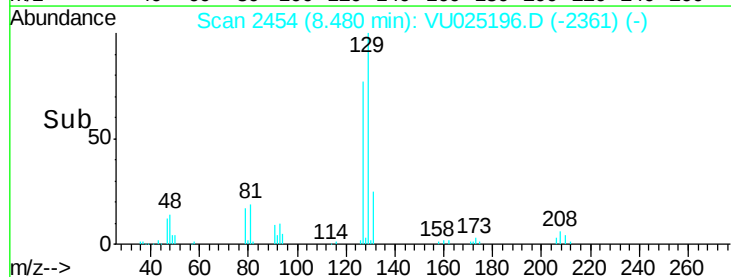
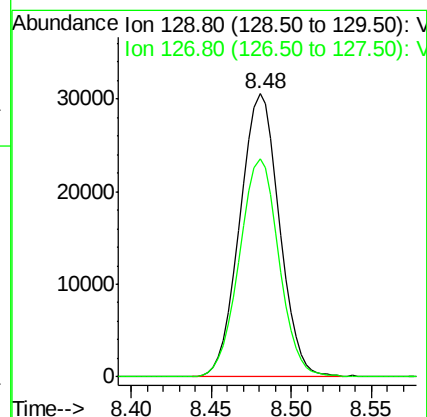
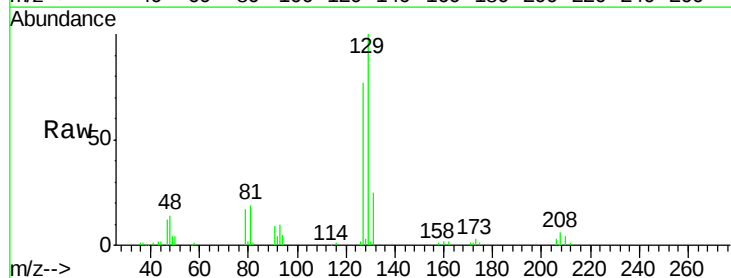
Instrument :
MSVOA_U
ClientSampleId :
VU0703WBS02

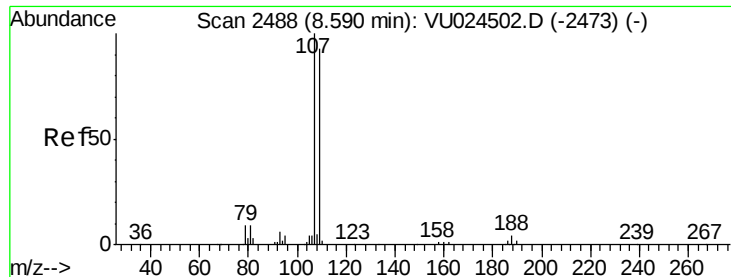
Tot Ion: 43 Resp: 308027
Ion Ratio Lower Upper
43 100
58 52.3 26.4 79.0



#60
Dibromochloromethane
Concen: 19.754 ug/l
RT: 8.48 min Scan# 2454
Delta R.T. -0.00 min
Lab File: VU025196.D
Acq: 03 Jul 2018 18:01

Tgt Ion: 129 Resp: 51511
Ion Ratio Lower Upper
129 100
127 77.2 38.6 116.0





#61

1,2-Dibromoethane

Concen: 22.799 ug/l

RT: 8.59 min Scan# 2488

Delta R.T. -0.00 min

Lab File: VU025196.D

Acq: 03 Jul 2018 18:01

Instrument :

MSVOA_U

ClientSampleId :

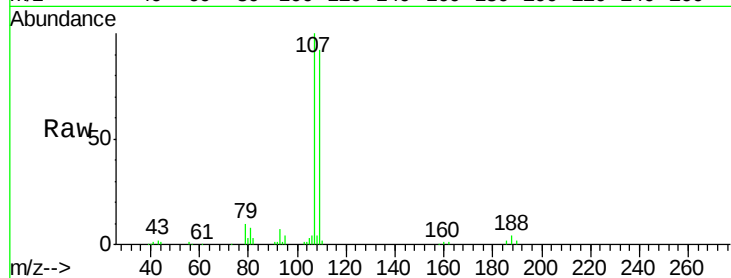
VU0703WBS02

Tot Ion:107 Resp: 53065

Ion Ratio Lower Upper

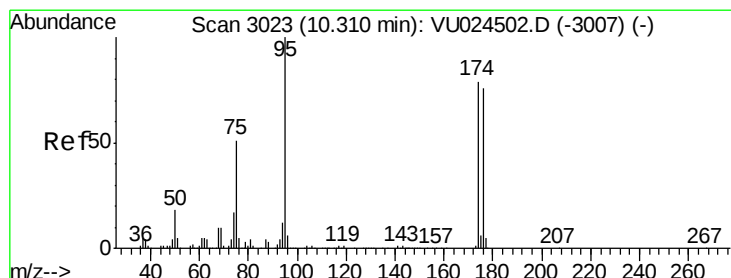
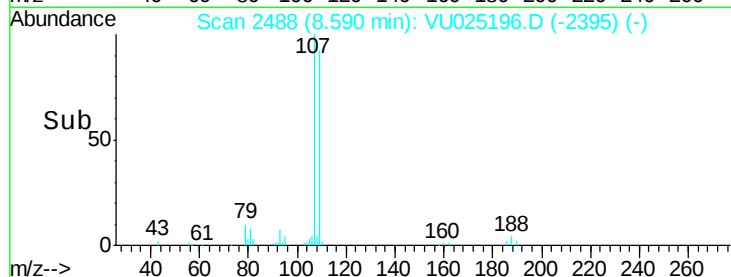
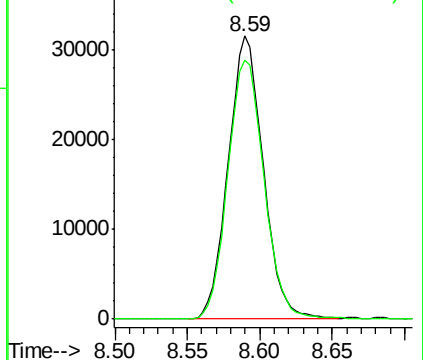
107 100

109 95.0 74.5 111.7



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 47.060 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.00 min

Lab File: VU025196.D

Acq: 03 Jul 2018 18:01

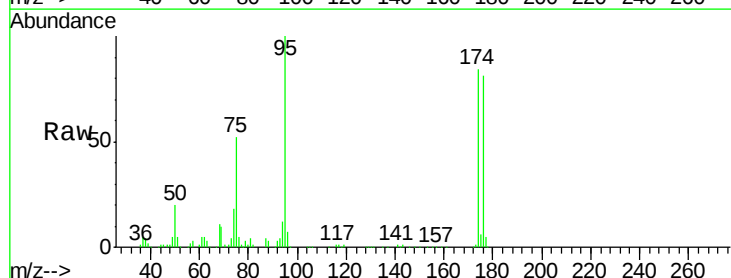
Tgt Ion: 95 Resp: 135079

Ion Ratio Lower Upper

95 100

174 86.0 0.0 165.8

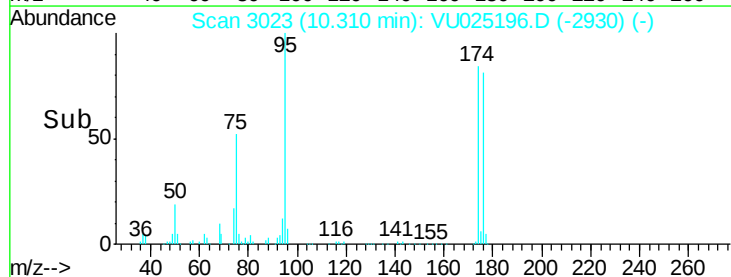
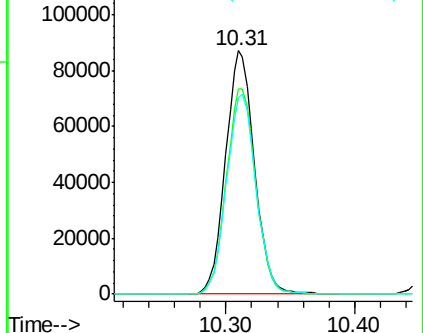
176 84.0 0.0 159.4

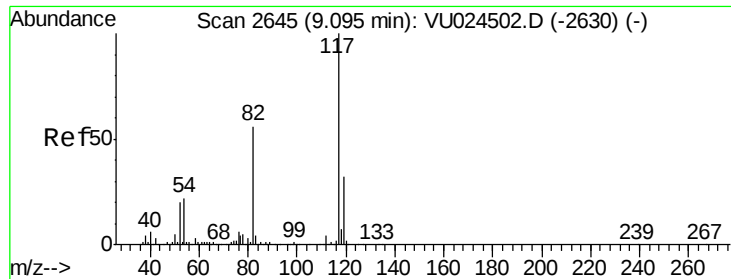


Abundance Ion 94.90 (94.60 to 95.60): VU0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

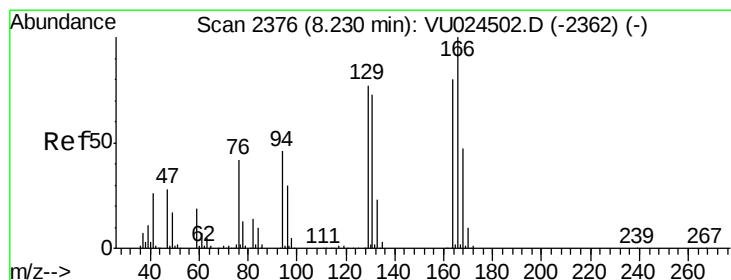
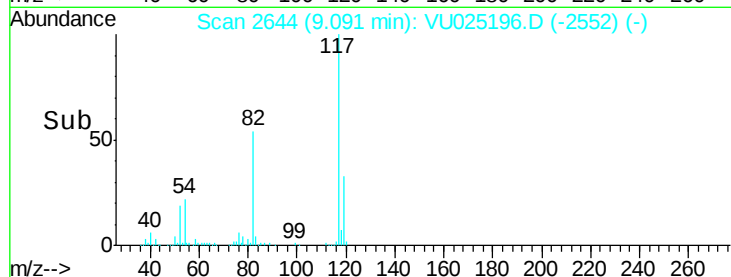
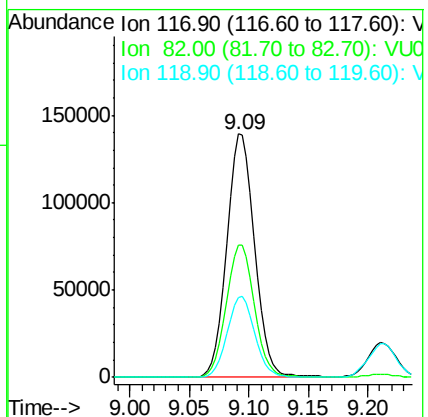
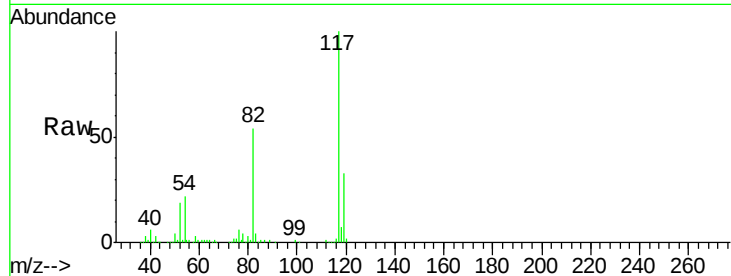




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2644
Delta R.T. -0.00 min
Lab File: VU025196.D
Acq: 03 Jul 2018 18:01

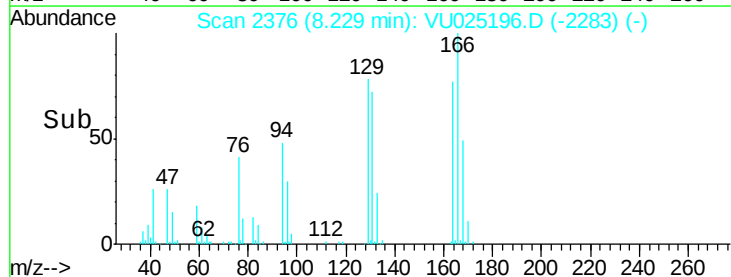
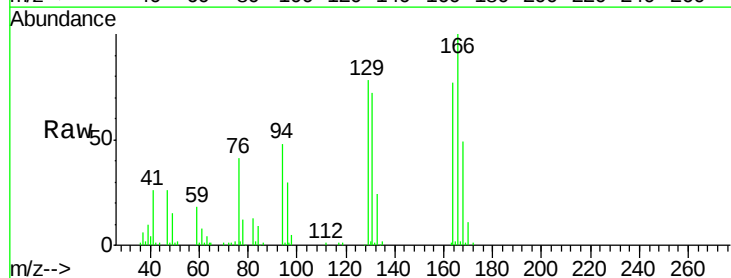
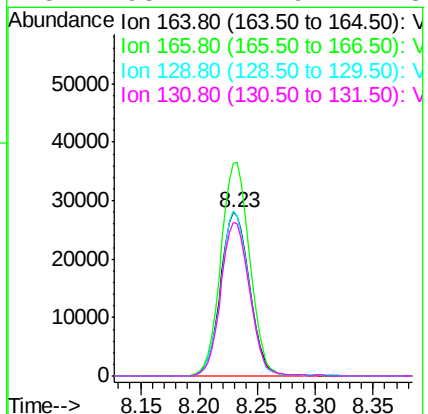
Instrument :
MSVOA_U
ClientSampleId :
VU0703WBS02

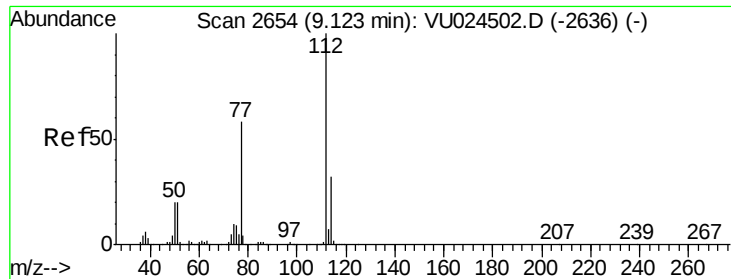
Tot Ion	Ratio	Lower	Upper
117	100		
82	54.3	44.3	66.5
119	33.0	25.4	38.2



#64
Tetrachloroethene
Concen: 22.567 ug/l
RT: 8.23 min Scan# 2376
Delta R.T. -0.00 min
Lab File: VU025196.D
Acq: 03 Jul 2018 18:01

Tgt Ion	Ratio	Lower	Upper
164	100		
166	130.1	101.7	152.5
129	101.0	76.9	115.3
131	93.7	74.9	112.3

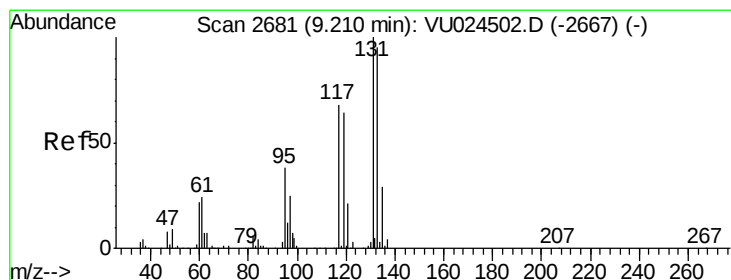
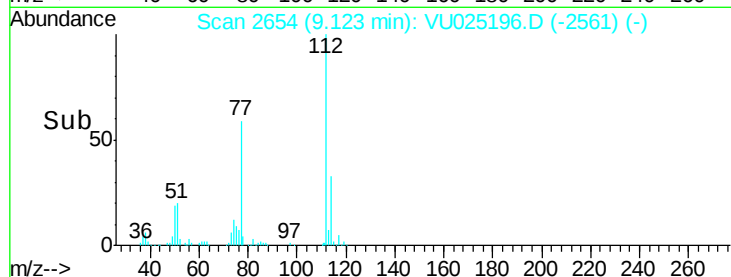
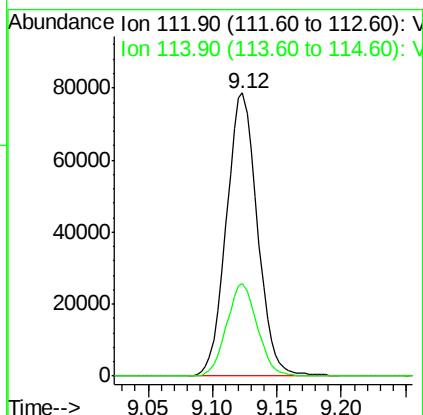
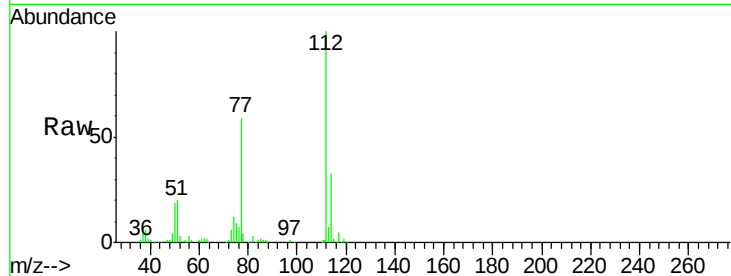




#65
Chlorobenzene
Concen: 22.806 ug/l
RT: 9.12 min Scan# 2654
Delta R.T. -0.00 min
Lab File: VU025196.D
Acq: 03 Jul 2018 18:01

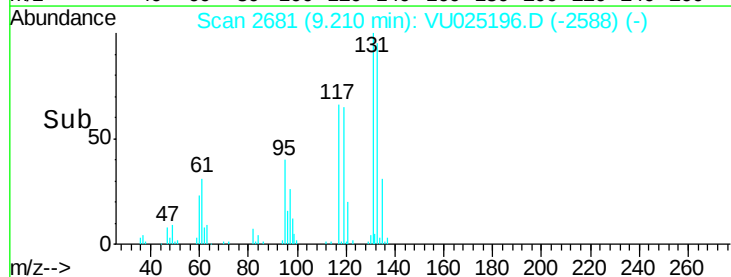
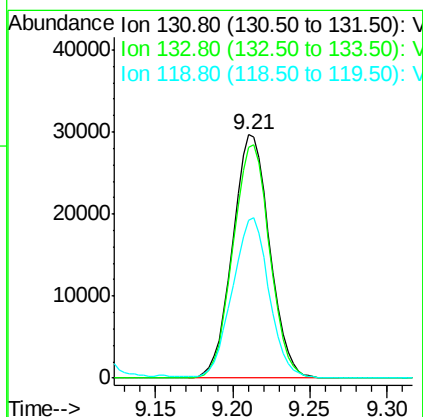
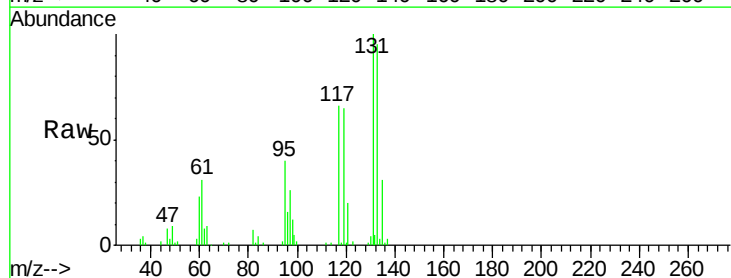
Instrument :
MSVOA_U
ClientSampleId :
VU0703WBS02

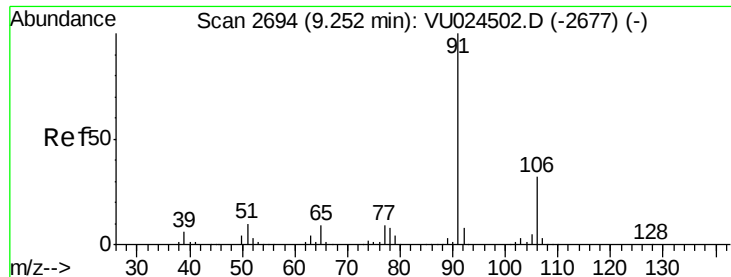
Tot Ion:112 Resp: 131572
Ion Ratio Lower Upper
112 100
114 32.5 25.6 38.4



#66
1,1,1,2-Tetrachloroethane
Concen: 22.537 ug/l
RT: 9.21 min Scan# 2681
Delta R.T. -0.00 min
Lab File: VU025196.D
Acq: 03 Jul 2018 18:01

Tgt Ion:131 Resp: 49398
Ion Ratio Lower Upper
131 100
133 94.7 46.9 140.8
119 65.4 33.5 100.4





#67

Ethyl Benzene

Concen: 22.504 ug/l

RT: 9.25 min Scan# 2694

Delta R.T. -0.00 min

Lab File: VU025196.D

Acq: 03 Jul 2018 18:01

Instrument :

MSVOA_U

ClientSampleId :

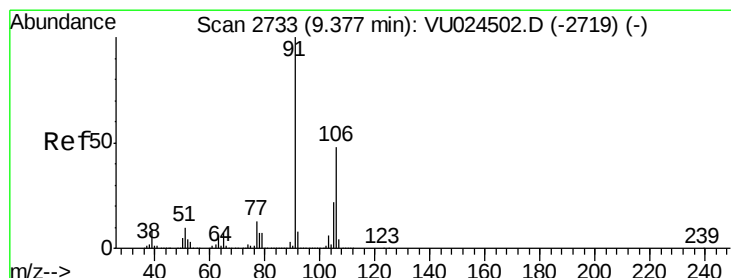
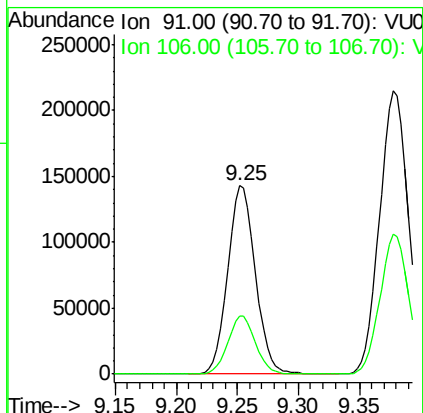
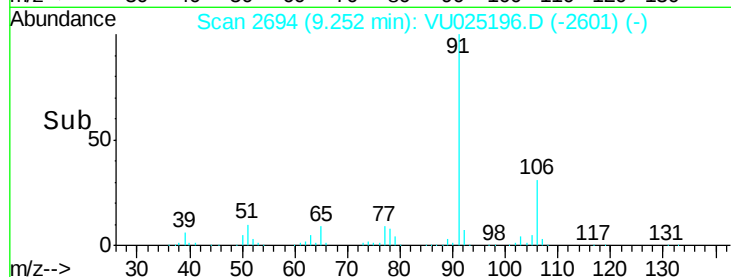
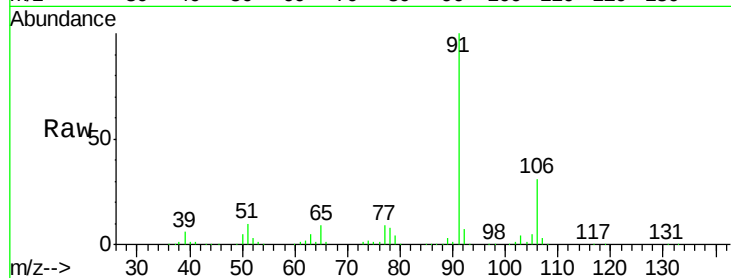
VU0703WBS02

Tot Ion: 91 Resp: 227607

Ion Ratio Lower Upper

91 100

106 30.8 24.2 36.4



#68

m/p-Xylenes

Concen: 45.081 ug/l

RT: 9.38 min Scan# 2733

Delta R.T. -0.00 min

Lab File: VU025196.D

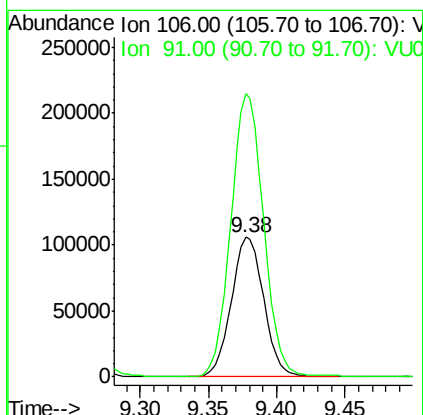
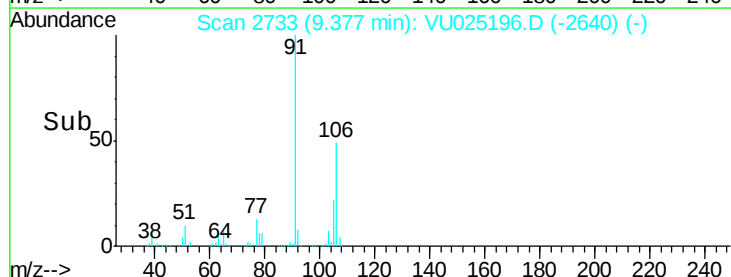
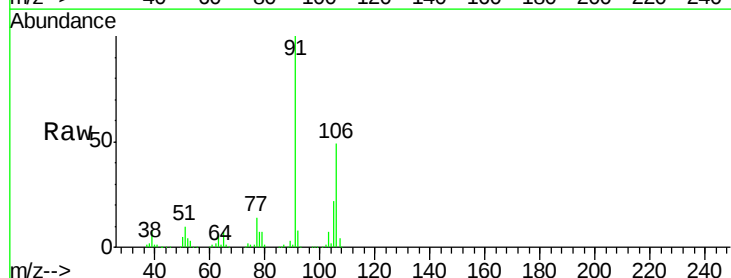
Acq: 03 Jul 2018 18:01

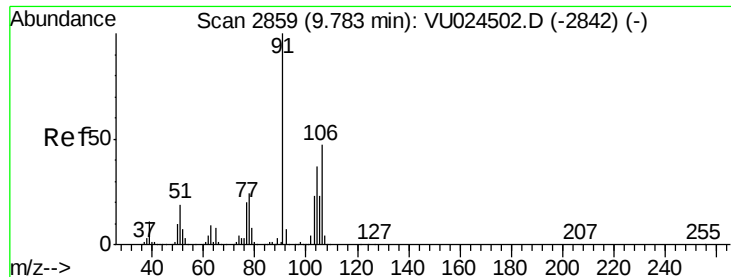
Tgt Ion: 106 Resp: 175084

Ion Ratio Lower Upper

106 100

91 204.6 166.5 249.7

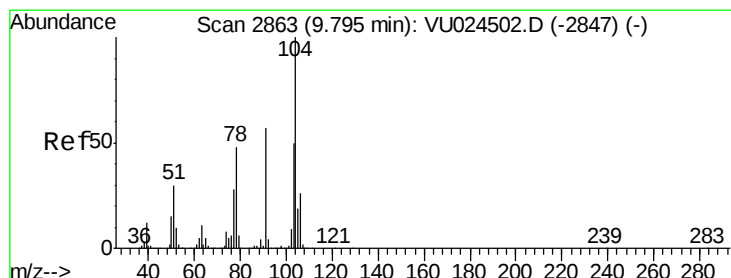
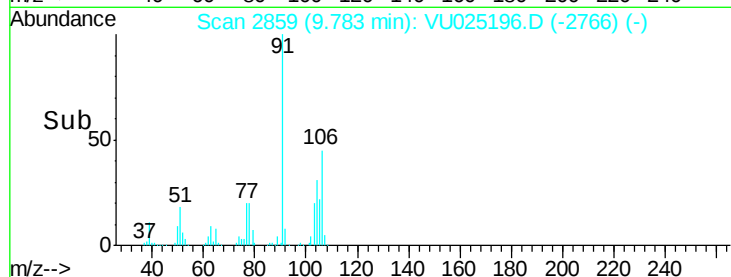
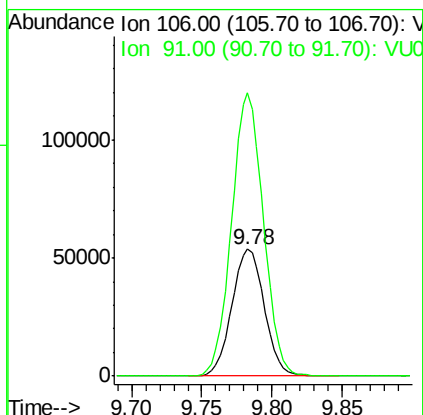
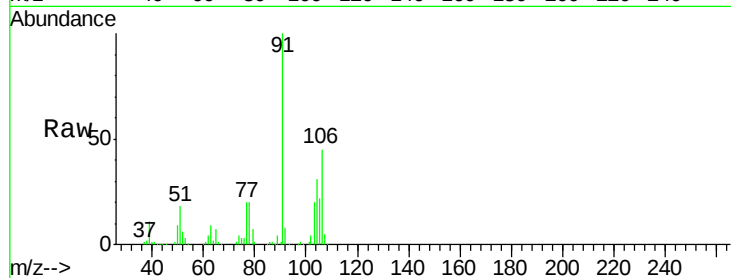




#69
o-Xylene
Concen: 22.564 ug/l
RT: 9.78 min Scan# 2859
Delta R.T. -0.00 min
Lab File: VU025196.D
Acq: 03 Jul 2018 18:01

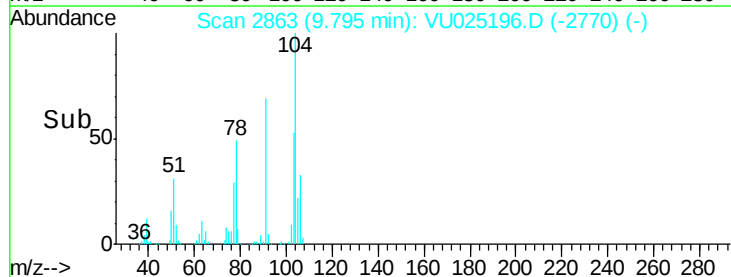
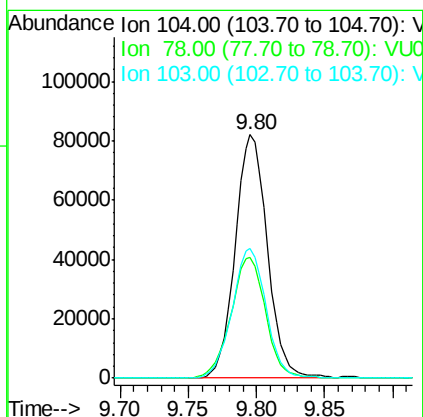
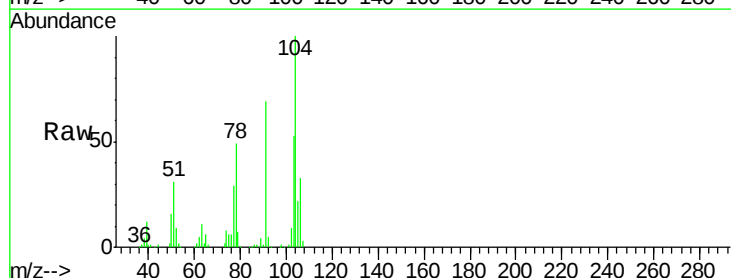
Instrument :
MSVOA_U
ClientSampleId :
VU0703WBS02

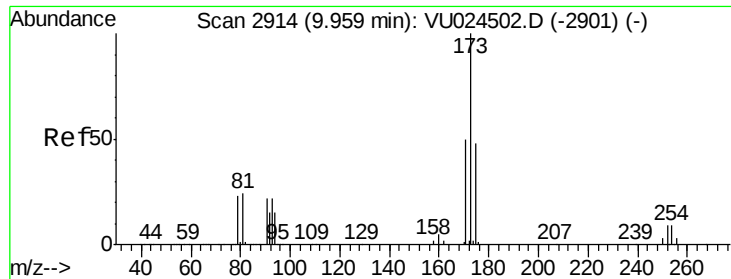
Tot Ion:106 Resp: 86727
Ion Ratio Lower Upper
106 100
91 218.3 110.7 331.9



#70
Styrene
Concen: 21.265 ug/l
RT: 9.80 min Scan# 2863
Delta R.T. -0.00 min
Lab File: VU025196.D
Acq: 03 Jul 2018 18:01

Tgt Ion:104 Resp: 134319
Ion Ratio Lower Upper
104 100
78 53.5 40.6 60.8
103 56.3 44.7 67.1





#71

Bromoform

Concen: 18.772 ug/l

RT: 9.96 min Scan# 2915

Delta R.T. 0.00 min

Lab File: VU025196.D

Acq: 03 Jul 2018 18:01

Instrument :
MSVOA_U
ClientSampleId :
VU0703WBS02

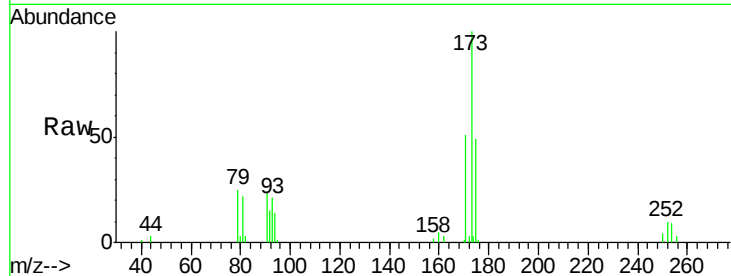
Tot Ion:173 Resp: 39109

Ion Ratio Lower Upper

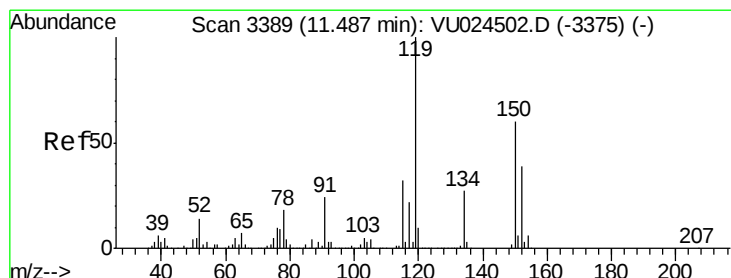
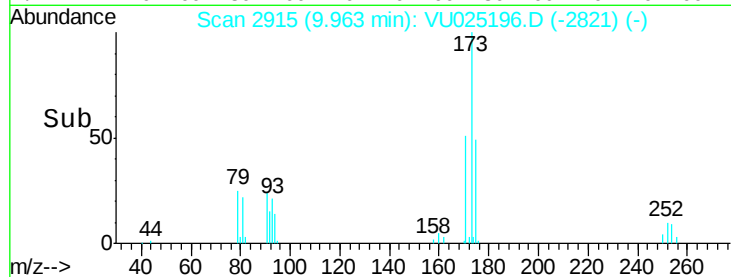
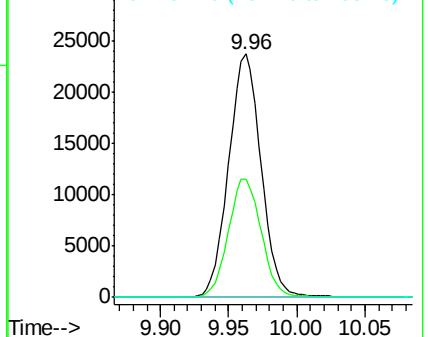
173 100

175 49.4 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: VU025196.D

Acq: 03 Jul 2018 18:01

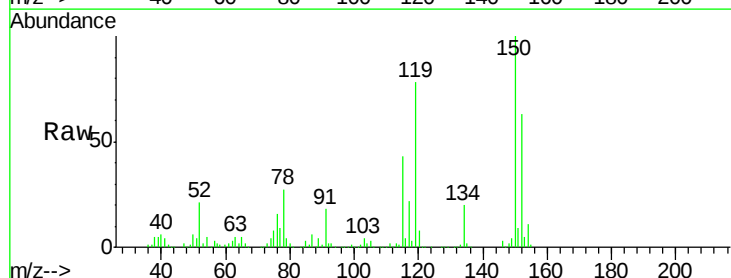
Tgt Ion:152 Resp: 128278

Ion Ratio Lower Upper

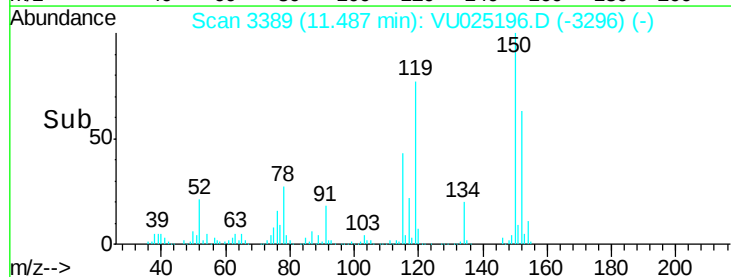
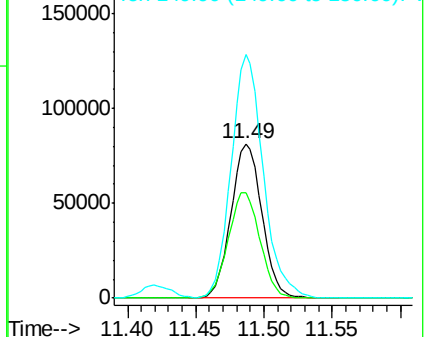
152 100

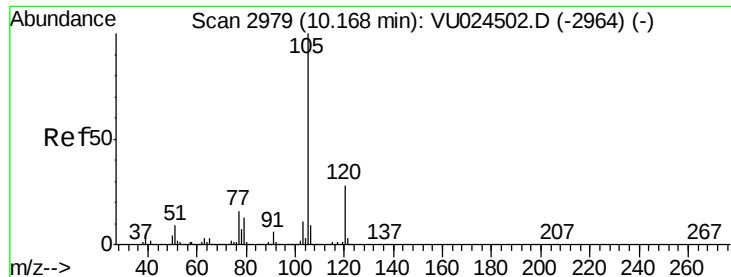
115 70.1 43.0 129.0

150 163.8 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: 23.869 ug/l

RT: 10.17 min Scan# 2979

Delta R.T. -0.00 min

Lab File: VU025196.D

Acq: 03 Jul 2018 18:01

Instrument :

MSVOA_U

ClientSampleId :

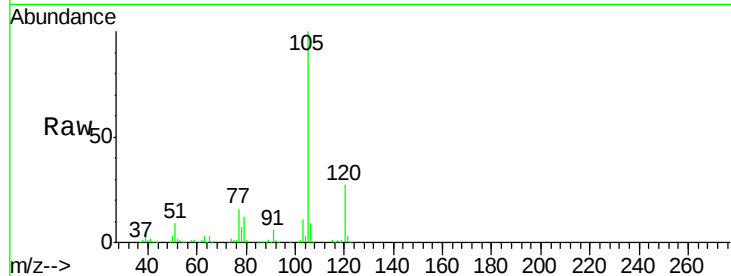
VU0703WBS02

Tot Ion:105 Resp: 235079

Ion Ratio Lower Upper

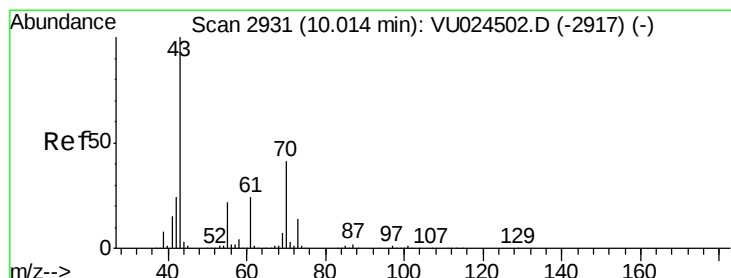
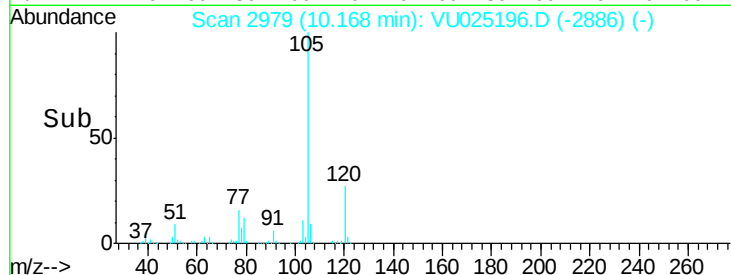
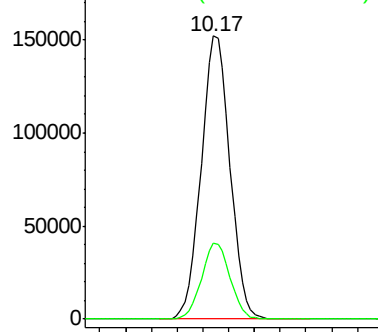
105 100

120 26.7 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: 21.145 ug/l

RT: 10.02 min Scan# 2932

Delta R.T. 0.00 min

Lab File: VU025196.D

Acq: 03 Jul 2018 18:01

Tgt Ion: 43 Resp: 99056

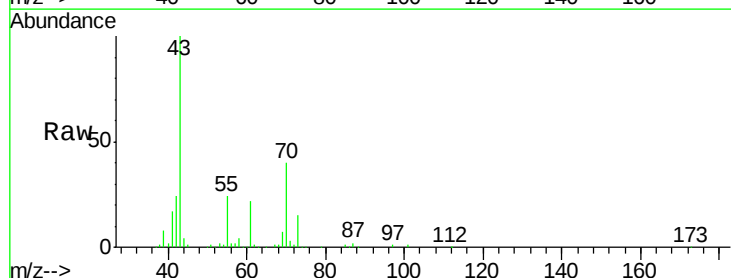
Ion Ratio Lower Upper

43 100

70 40.5 32.2 48.4

55 23.5 20.5 30.7

61 23.0 18.7 28.1

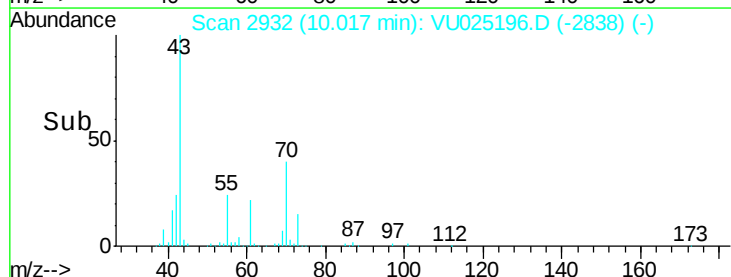
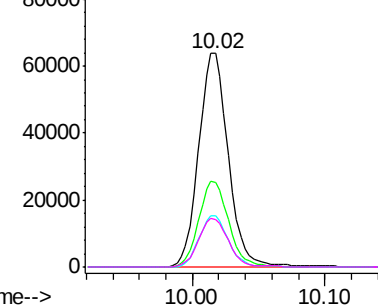


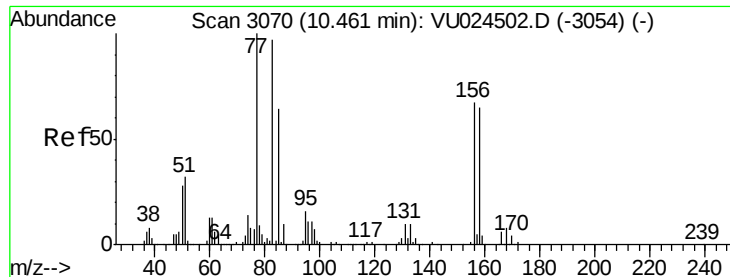
Abundance Ion 43.00 (42.70 to 43.70): VU0

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: 24.037 ug/l

RT: 10.46 min Scan# 3070

Delta R.T. -0.00 min

Lab File: VU025196.D

Acq: 03 Jul 2018 18:01

Instrument :

MSVOA_U

ClientSampleId :

VU0703WBS02

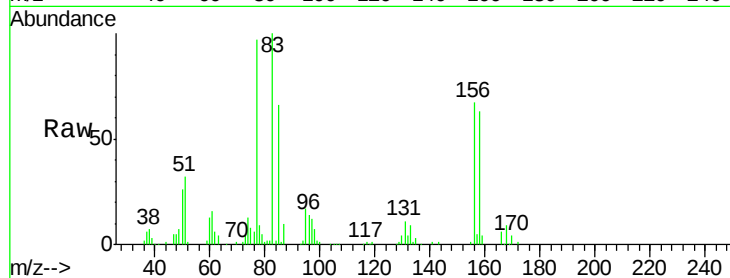
Tot Ion: 83 Resp: 79330

Ion Ratio Lower Upper

83 100

131 10.9 4.7 14.1

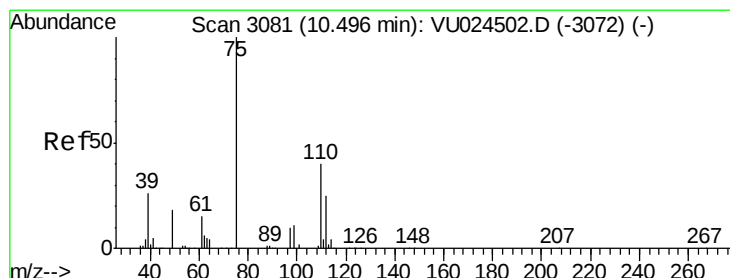
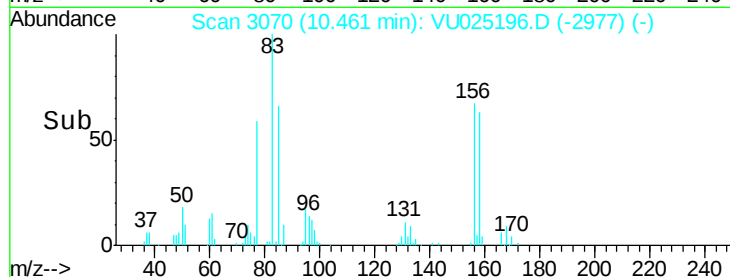
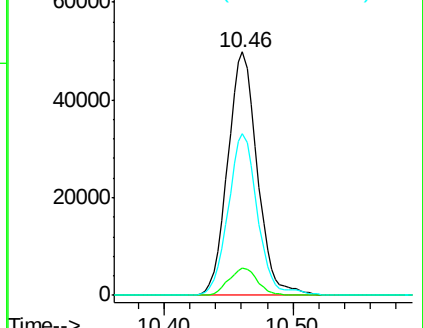
85 65.6 32.5 97.5



Abundance Ion 82.90 (82.60 to 83.60): VU025196.D (-2977) (-)

Ion 130.80 (130.50 to 131.50): VU025196.D (-2977) (-)

Ion 84.90 (84.60 to 85.60): VU025196.D (-2977) (-)



#76

1,2,3-Trichloropropane

Concen: 32.194 ug/l

RT: 10.50 min Scan# 3081

Delta R.T. -0.00 min

Lab File: VU025196.D

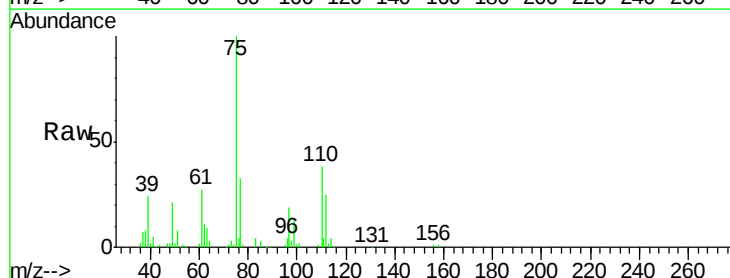
Acq: 03 Jul 2018 18:01

Tgt Ion: 75 Resp: 90923

Ion Ratio Lower Upper

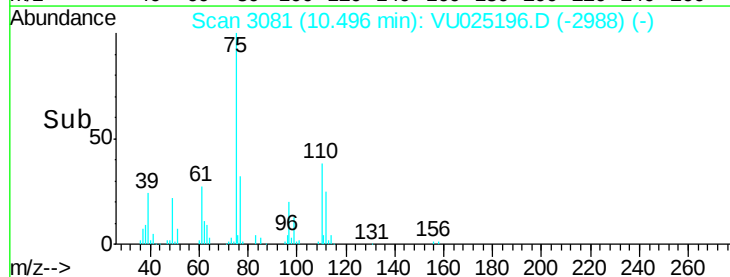
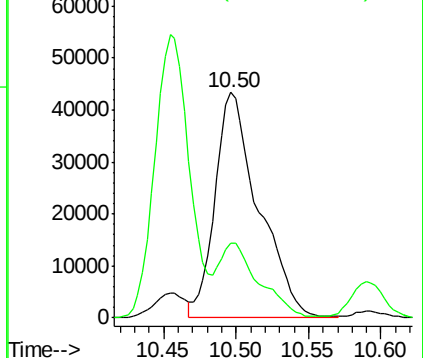
75 100

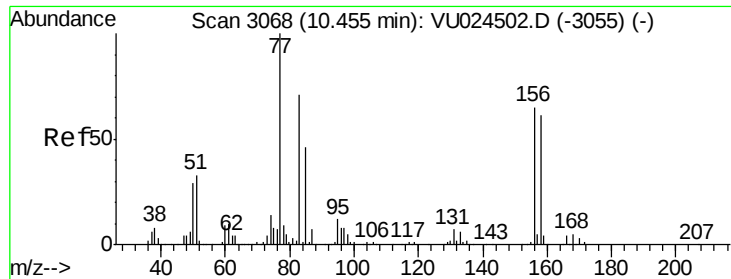
77 30.1 20.9 62.7



Abundance Ion 74.90 (74.60 to 75.60): VU025196.D (-2988) (-)

Ion 77.00 (76.70 to 77.70): VU025196.D (-2988) (-)

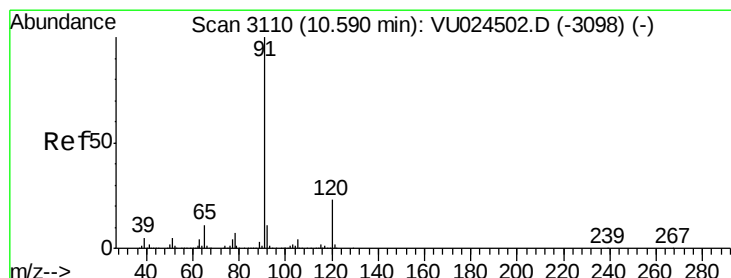
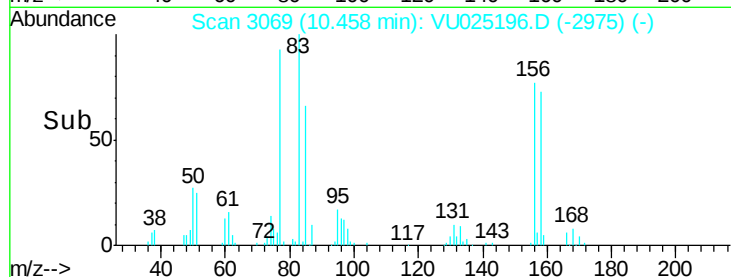
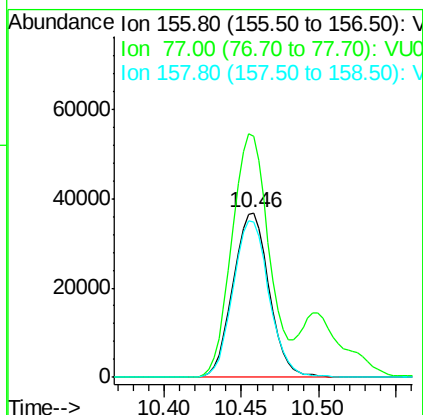
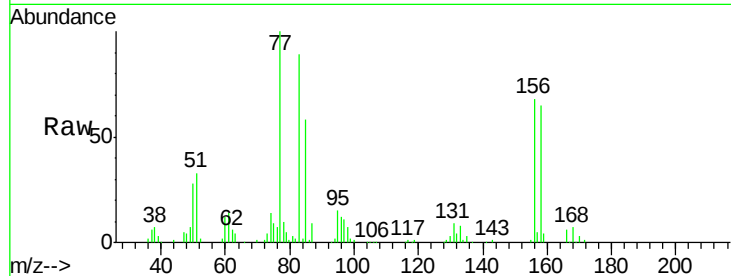




#77
Bromobenzene
Concen: 23.966 ug/l
RT: 10.46 min Scan# 3069
Delta R.T. 0.00 min
Lab File: VU025196.D
Acq: 03 Jul 2018 18:01

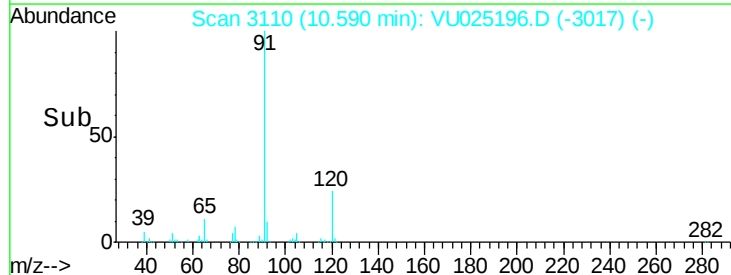
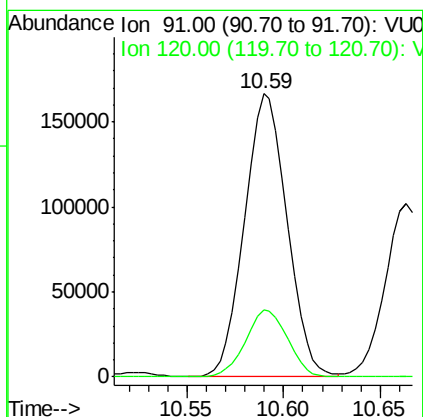
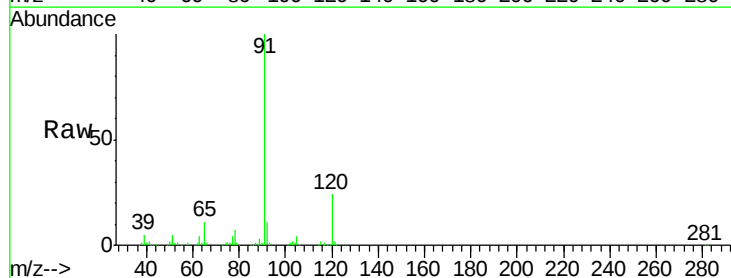
Instrument :
MSVOA_U
ClientSampleId :
VU0703WBS02

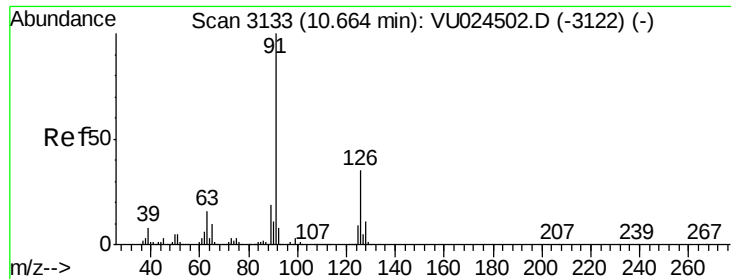
Tot Ion:156 Resp: 59755
Ion Ratio Lower Upper
156 100
77 152.7 80.5 241.3
158 95.4 48.2 144.6



#78
n-propylbenzene
Concen: 21.959 ug/l
RT: 10.59 min Scan# 3110
Delta R.T. -0.00 min
Lab File: VU025196.D
Acq: 03 Jul 2018 18:01

Tgt Ion: 91 Resp: 254756
Ion Ratio Lower Upper
91 100
120 23.6 11.2 33.5





#79

2-Chlorotoluene

Concen: 23.013 ug/l

RT: 10.66 min Scan# 3133

Delta R.T. -0.00 min

Lab File: VU025196.D

Acq: 03 Jul 2018 18:01

Instrument :

MSVOA_U

ClientSampleId :

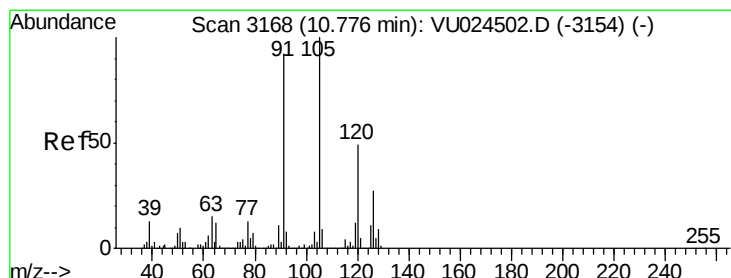
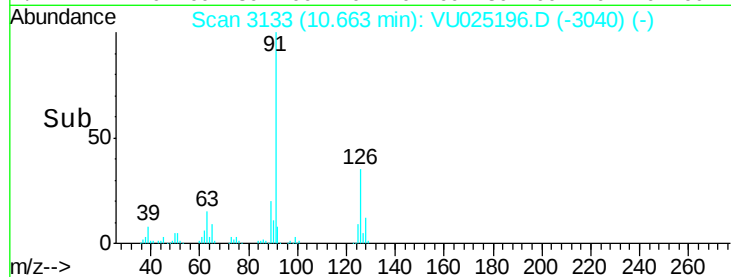
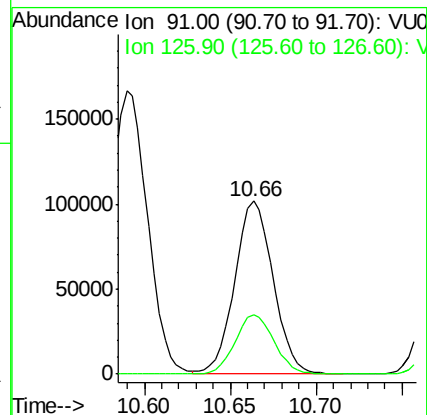
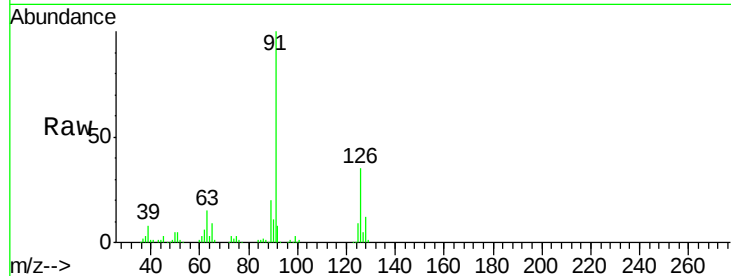
VU0703WBS02

Tot Ion: 91 Resp: 157450

Ion Ratio Lower Upper

91 100

126 35.0 16.9 50.7



#80

1,3,5-Trimethylbenzene

Concen: 23.174 ug/l

RT: 10.78 min Scan# 3168

Delta R.T. -0.00 min

Lab File: VU025196.D

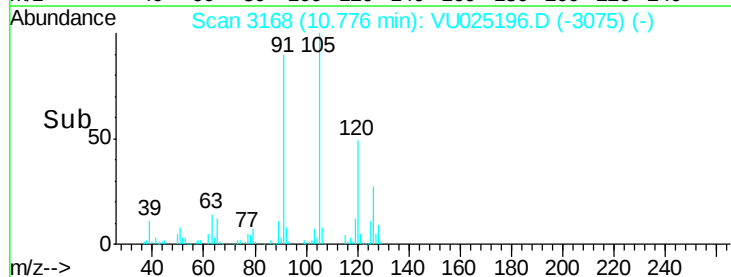
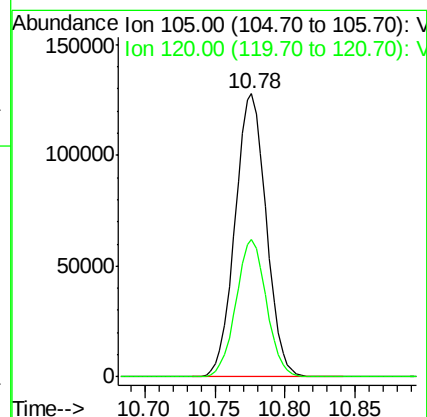
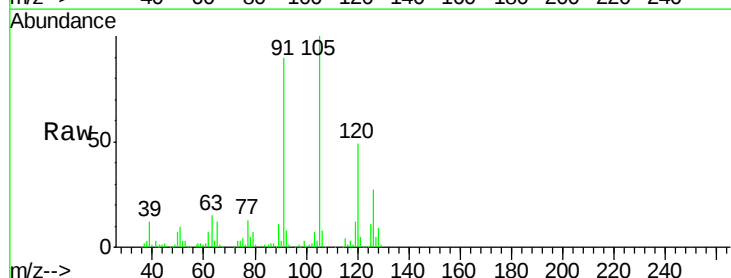
Acq: 03 Jul 2018 18:01

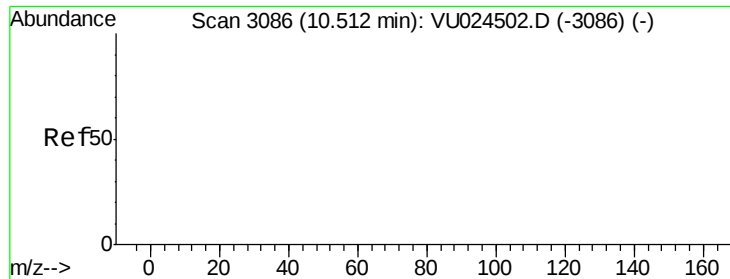
Tgt Ion: 105 Resp: 197821

Ion Ratio Lower Upper

105 100

120 47.5 24.1 72.2

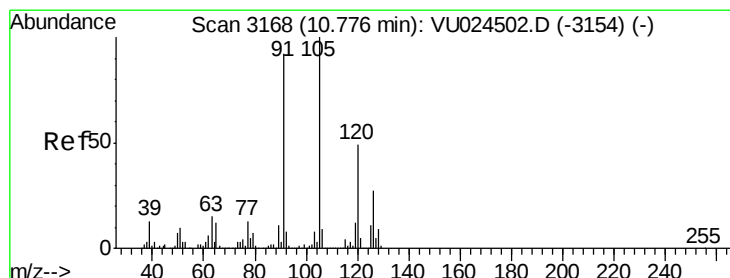
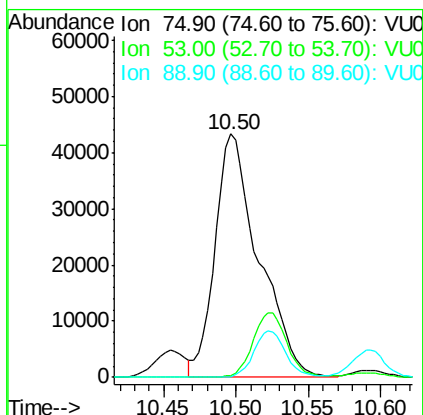
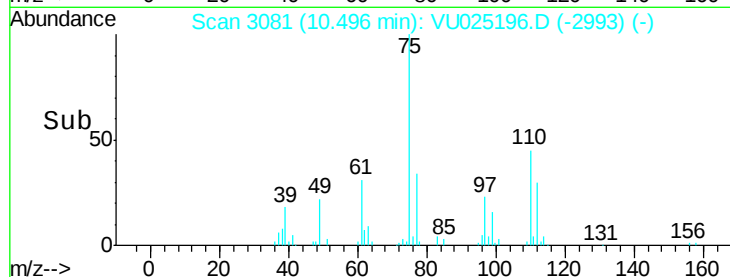
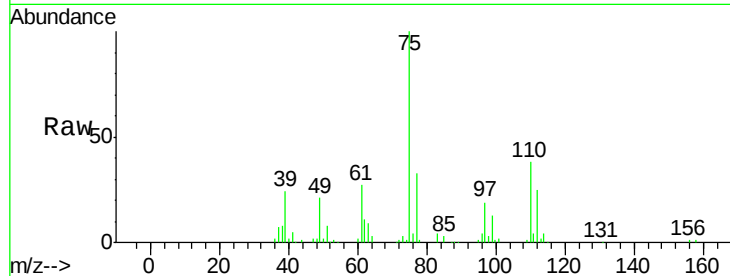




#81
trans-1,4-Dichloro-2-butene
Concen: 74.511 ug/l
RT: 10.50 min Scan# 3081
Delta R.T. -0.02 min
Lab File: VU025196.D
Acq: 03 Jul 2018 18:01

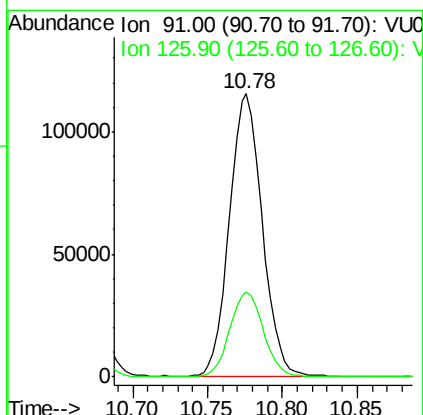
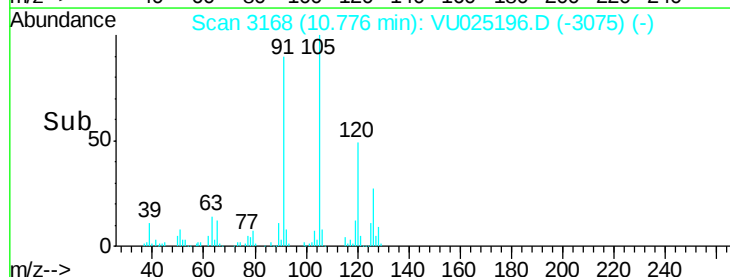
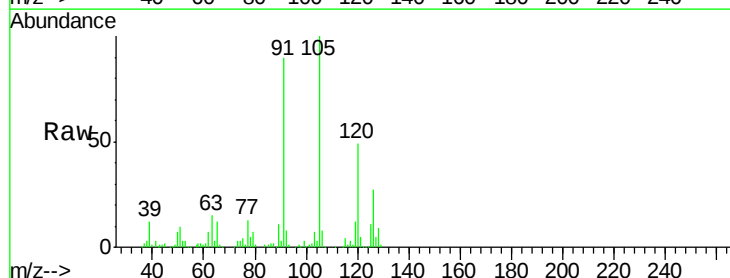
Instrument :
MSVOA_U
ClientSampleId :
VU0703WBS02

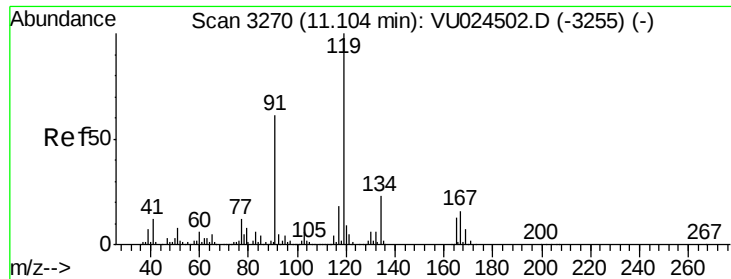
Tot Ion: 75 Resp: 90923
Ion Ratio Lower Upper
75 100
53 0.0 0.0 0.0
89 0.0 0.0 0.0



#82
4-Chlorotoluene
Concen: 22.146 ug/l
RT: 10.78 min Scan# 3168
Delta R.T. -0.00 min
Lab File: VU025196.D
Acq: 03 Jul 2018 18:01

Tgt Ion: 91 Resp: 176350
Ion Ratio Lower Upper
91 100
126 30.9 14.9 44.9





#83

tert-Butylbenzene

Concen: 23.974 ug/l

RT: 11.10 min Scan# 3270

Delta R.T. -0.00 min

Lab File: VU025196.D

Acq: 03 Jul 2018 18:01

Instrument :

MSVOA_U

ClientSampleId :

VU0703WBS02

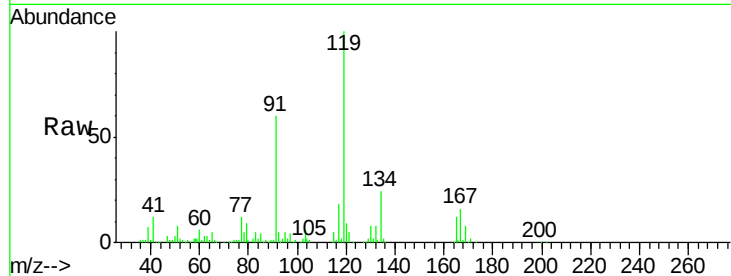
Tot Ion:119 Resp: 196861

Ion Ratio Lower Upper

119 100

91 59.5 29.7 89.1

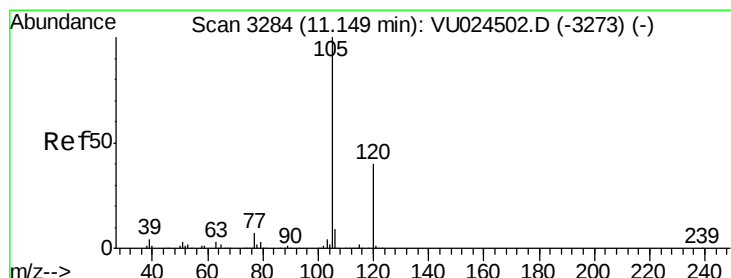
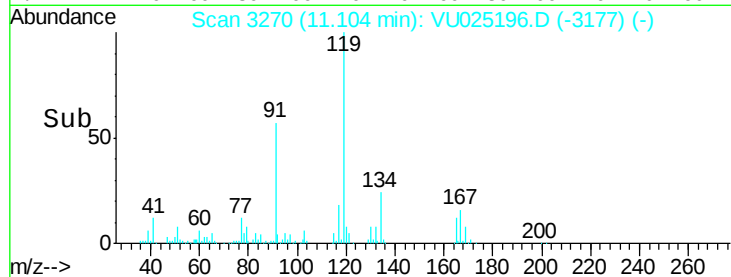
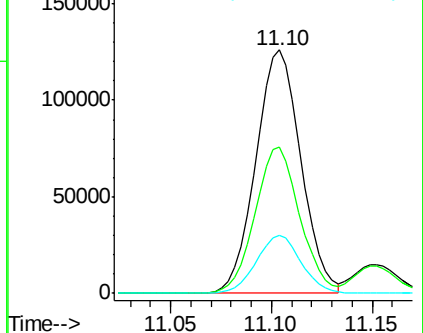
134 23.6 11.6 34.7



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: 23.175 ug/l

RT: 11.15 min Scan# 3285

Delta R.T. 0.00 min

Lab File: VU025196.D

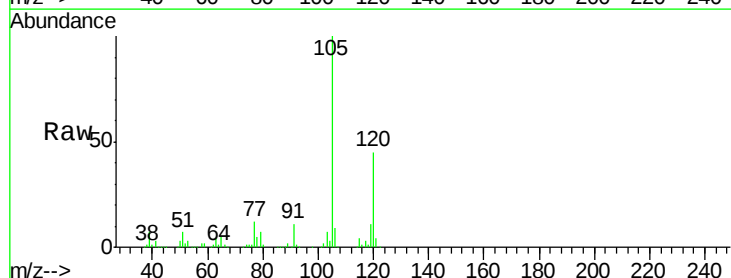
Acq: 03 Jul 2018 18:01

Tgt Ion:105 Resp: 201605

Ion Ratio Lower Upper

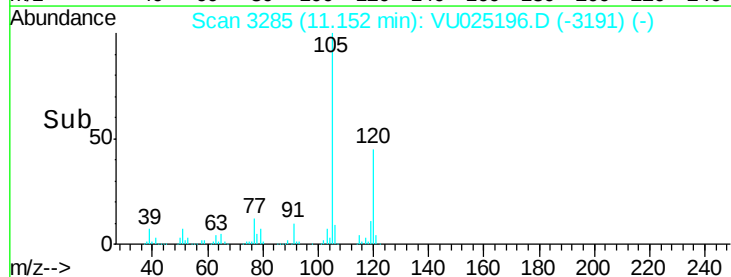
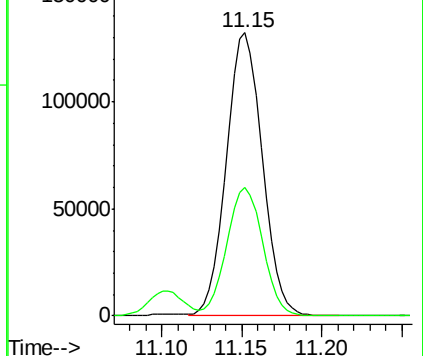
105 100

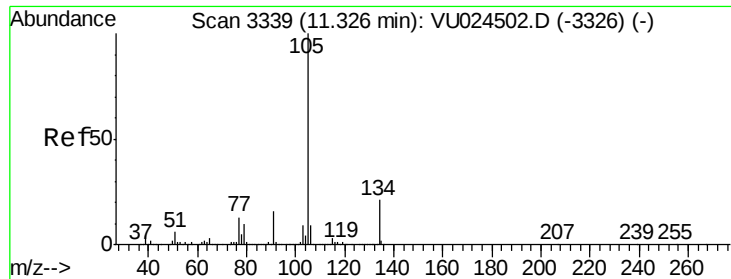
120 45.7 22.6 67.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 22.329 ug/l

RT: 11.33 min Scan# 3340

Delta R.T. 0.00 min

Lab File: VU025196.D

Acq: 03 Jul 2018 18:01

Instrument :

MSVOA_U

ClientSampleId :

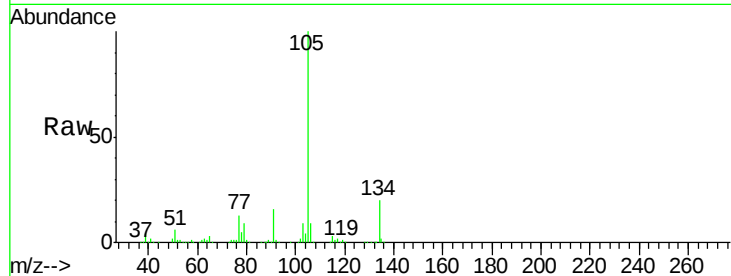
VU0703WBS02

Tot Ion:105 Resp: 229506

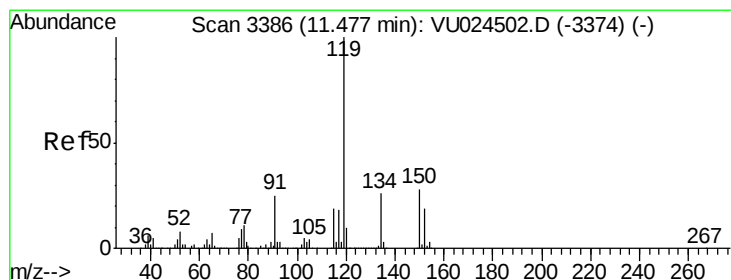
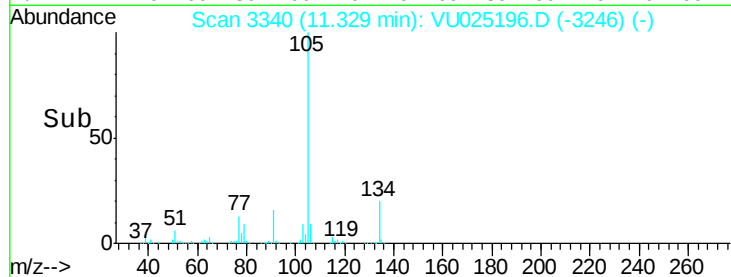
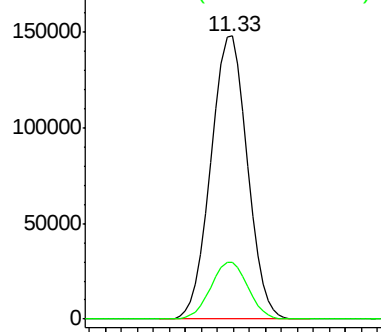
Ion Ratio Lower Upper

105 100

134 20.5 9.7 29.1



Abundance Ion 105.00 (104.70 to 105.70): V



#86

p-Isopropyltoluene

Concen: 21.833 ug/l

RT: 11.48 min Scan# 3387

Delta R.T. 0.00 min

Lab File: VU025196.D

Acq: 03 Jul 2018 18:01

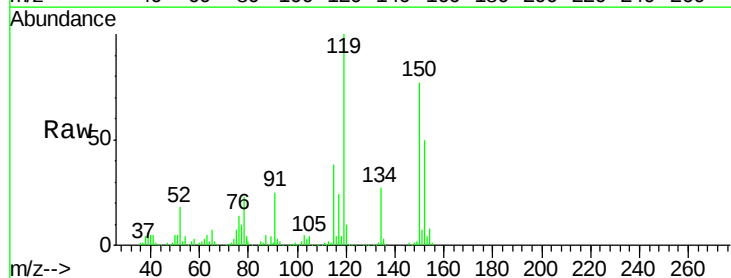
Tgt Ion:119 Resp: 200981

Ion Ratio Lower Upper

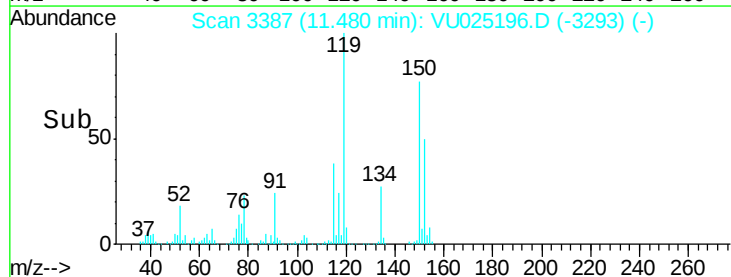
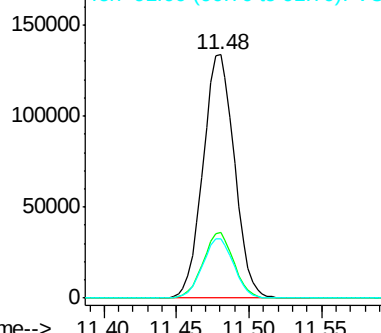
119 100

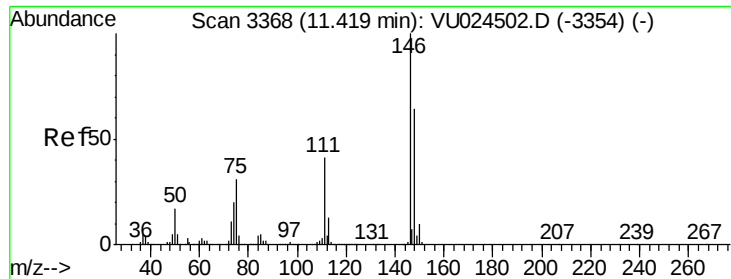
134 26.3 12.9 38.6

91 24.3 12.0 36.1



Abundance Ion 119.00 (118.70 to 119.70): V

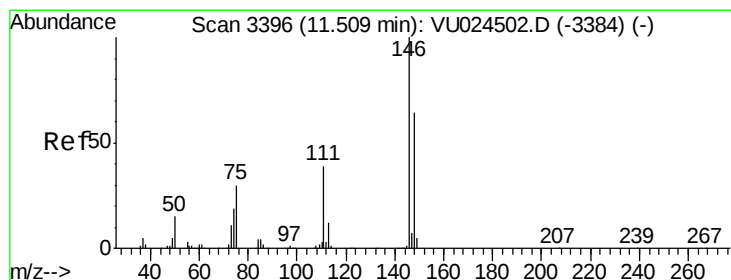
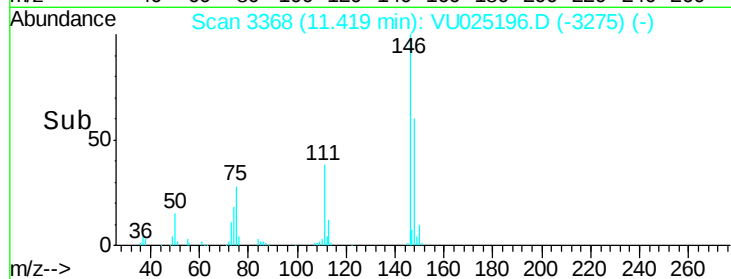
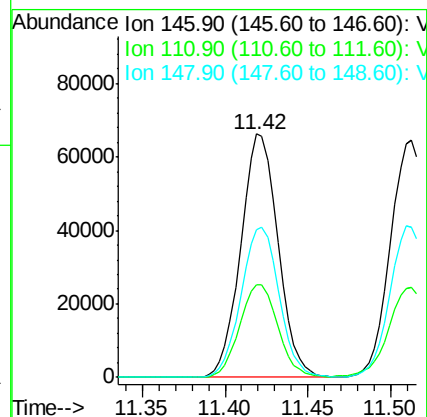
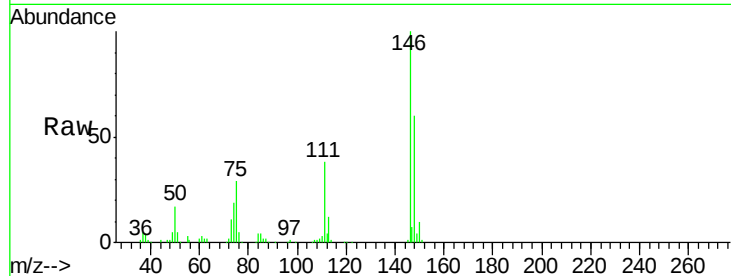




#87
 1,3-Dichlorobenzene
 Concen: 22.535 ug/l
 RT: 11.42 min Scan# 3368
 Delta R.T. -0.00 min
 Lab File: VU025196.D
 Acq: 03 Jul 2018 18:01

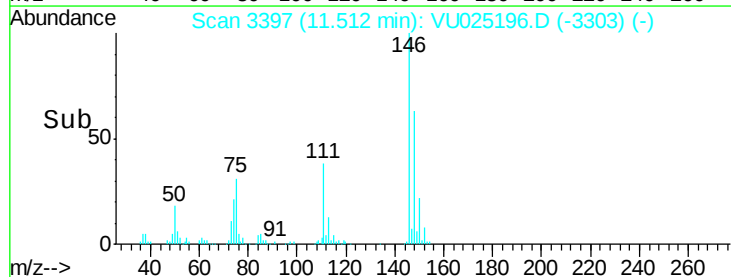
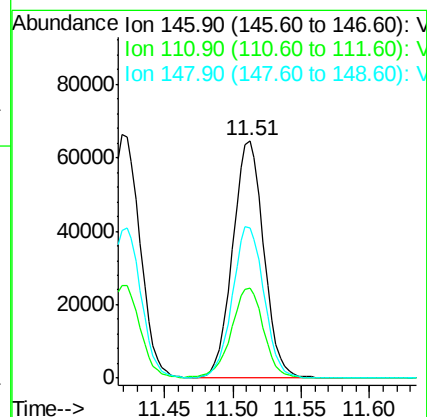
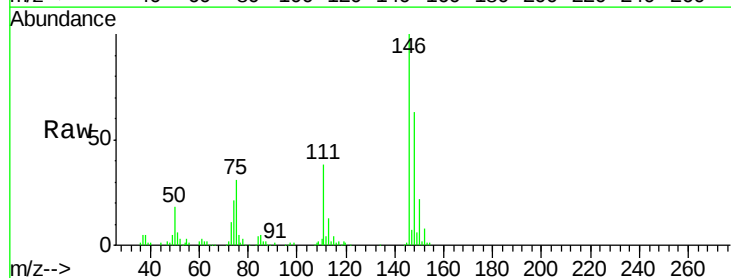
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0703WBS02

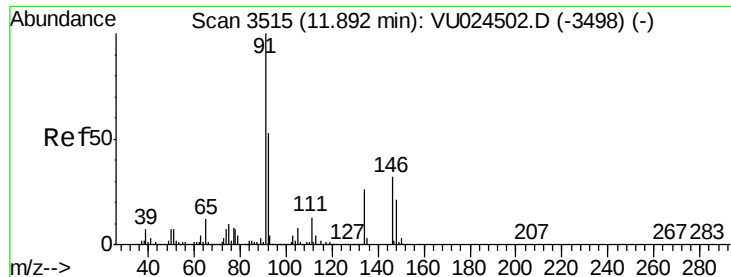
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.0	20.0	60.0
148	62.8	32.1	96.5



#88
 1,4-Dichlorobenzene
 Concen: 22.020 ug/l
 RT: 11.51 min Scan# 3397
 Delta R.T. 0.00 min
 Lab File: VU025196.D
 Acq: 03 Jul 2018 18:01

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.8	19.5	58.5
148	65.1	32.4	97.0





#89

n-Butylbenzene

Concen: 18.850 ug/l

RT: 11.89 min Scan# 3515

Delta R.T. -0.00 min

Lab File: VU025196.D

Acq: 03 Jul 2018 18:01

Instrument :

MSVOA_U

ClientSampleId :

VU0703WBS02

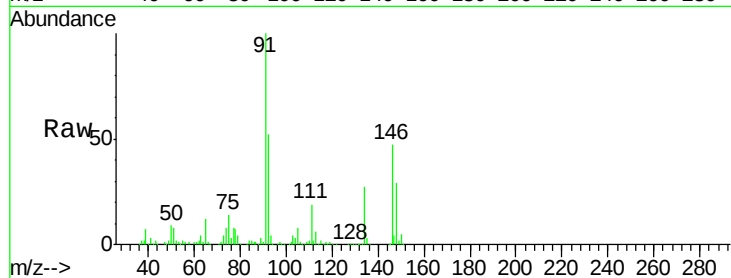
Tot Ion: 91 Resp: 154052

Ion Ratio Lower Upper

91 100

92 52.2 25.6 76.8

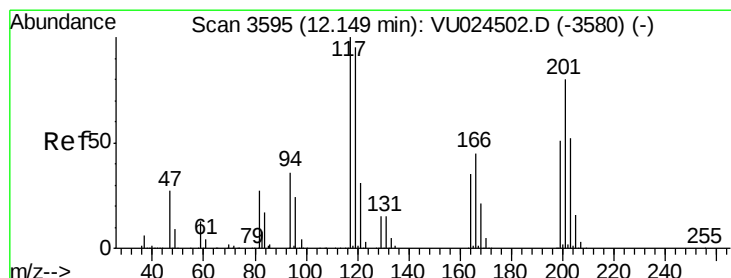
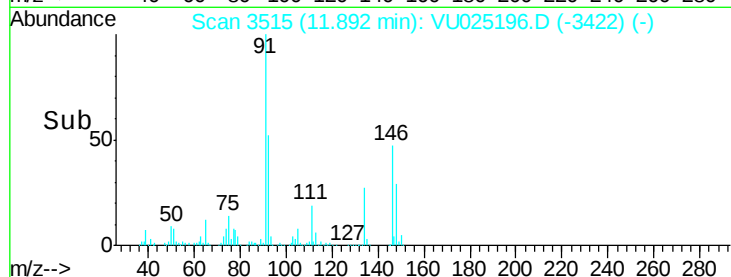
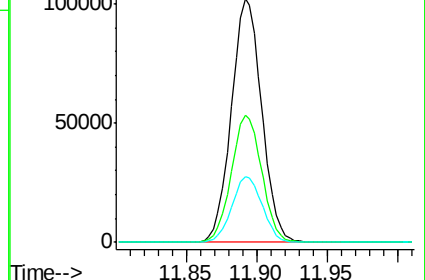
134 27.0 12.3 36.8



Abundance Ion 91.00 (90.70 to 91.70): VU024502.D (-3498) (-)

Ion 92.00 (91.70 to 92.70): VU024502.D (-3498) (-)

Ion 134.00 (133.70 to 134.70): VU024502.D (-3498) (-)



#90

Hexachloroethane

Concen: 18.800 ug/l

RT: 12.15 min Scan# 3595

Delta R.T. -0.00 min

Lab File: VU025196.D

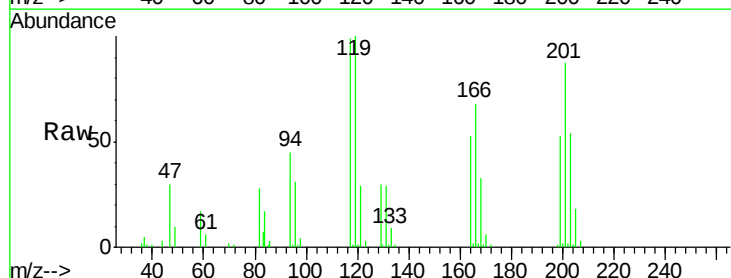
Acq: 03 Jul 2018 18:01

Tgt Ion: 117 Resp: 33760

Ion Ratio Lower Upper

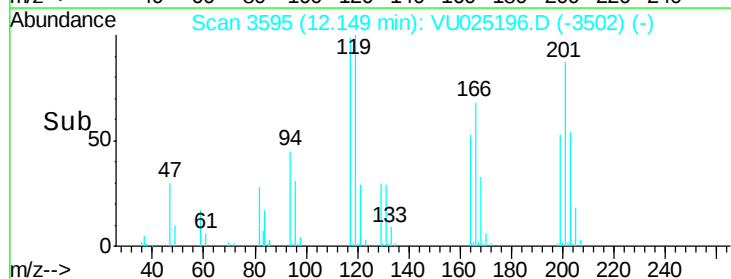
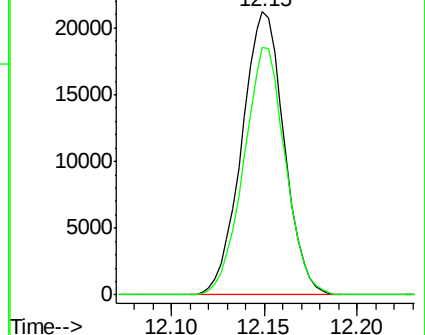
117 100

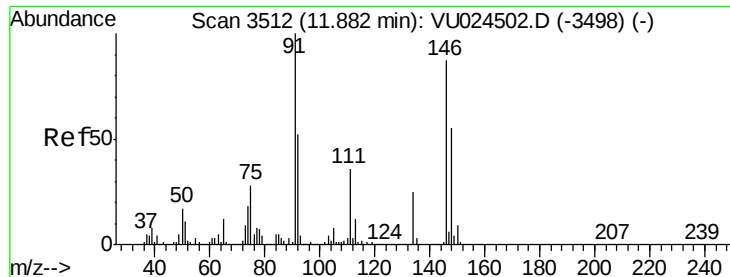
201 85.9 41.1 123.3



Abundance Ion 116.80 (116.50 to 117.50): VU024502.D (-3580) (-)

Ion 200.70 (200.40 to 201.40): VU024502.D (-3580) (-)

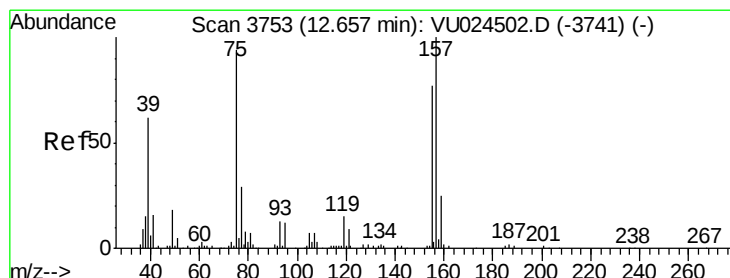
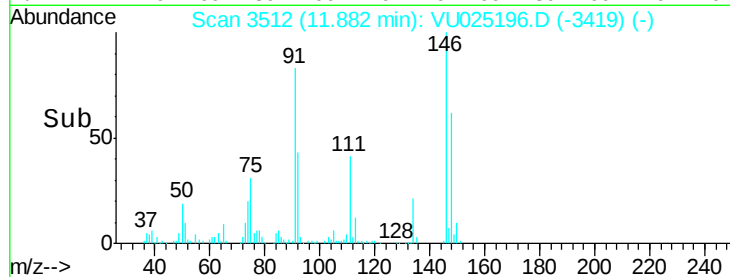
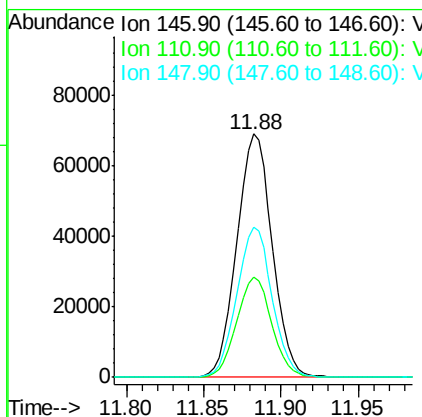
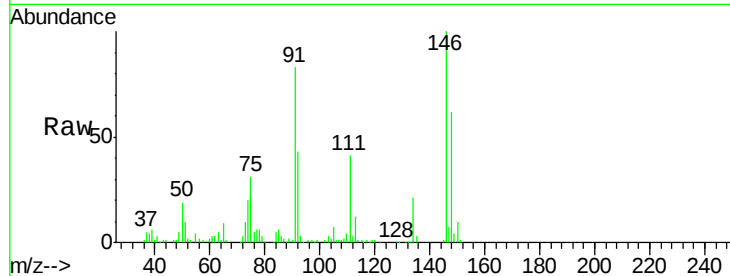




#91
 1,2-Dichlorobenzene
 Concen: 23.789 ug/l
 RT: 11.88 min Scan# 3512
 Delta R.T. -0.00 min
 Lab File: VU025196.D
 Acq: 03 Jul 2018 18:01

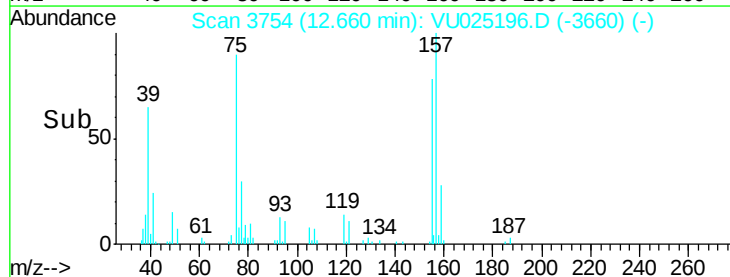
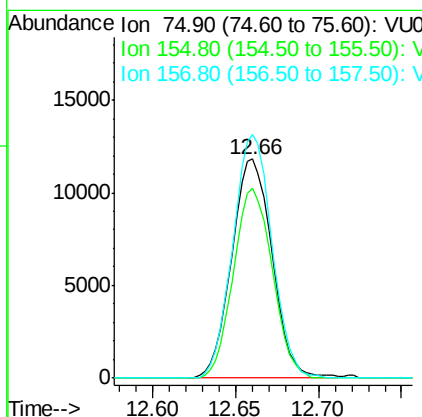
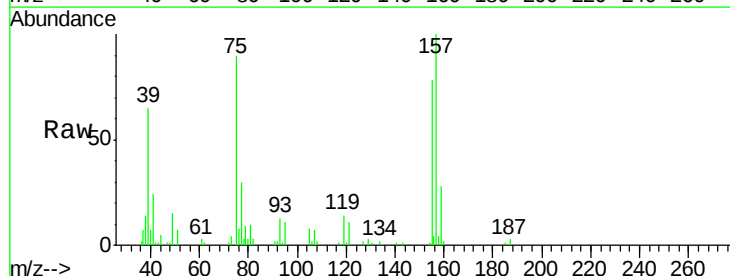
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0703WBS02

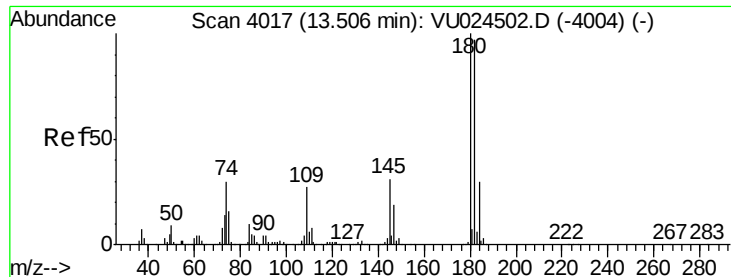
Tot Ion	Ratio	Lower	Upper
146	100		
111	40.7	20.5	61.6
148	61.5	31.9	95.7



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 22.073 ug/l
 RT: 12.66 min Scan# 3754
 Delta R.T. 0.00 min
 Lab File: VU025196.D
 Acq: 03 Jul 2018 18:01

Tgt Ion	Ratio	Lower	Upper
75	100		
155	83.1	40.4	121.2
157	107.2	52.3	156.8

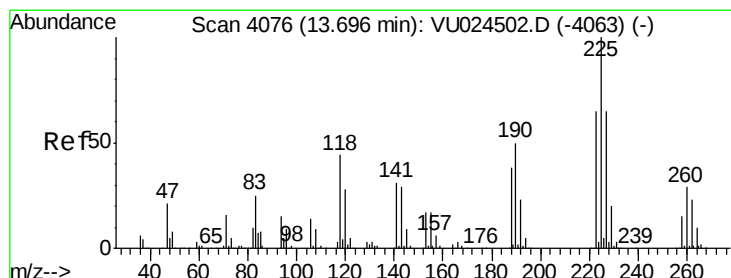
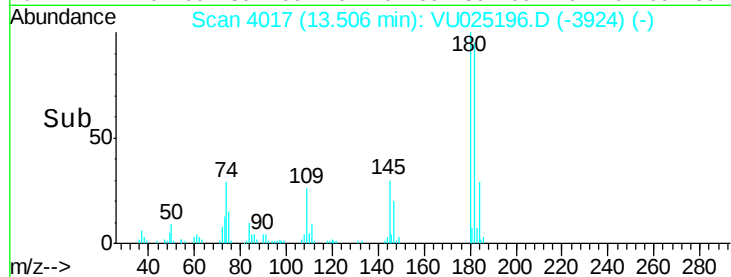
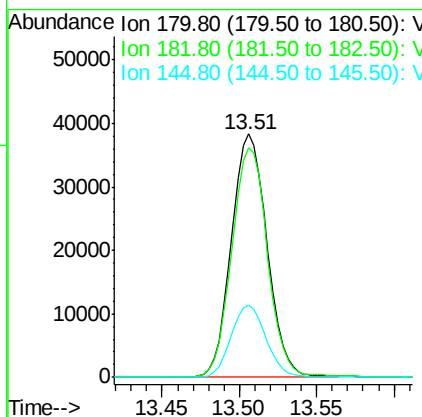
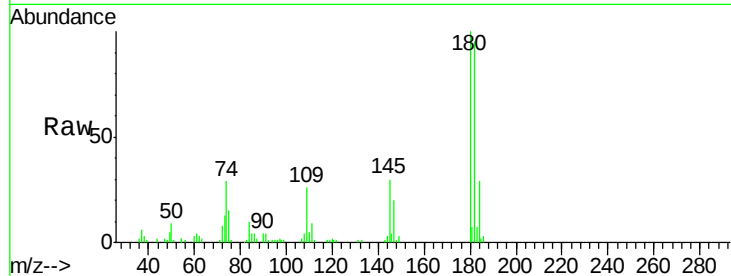




#93
 1,2,4-Trichlorobenzene
 Concen: 21.512 ug/l
 RT: 13.51 min Scan# 4017
 Delta R.T. -0.00 min
 Lab File: VU025196.D
 Acq: 03 Jul 2018 18:01

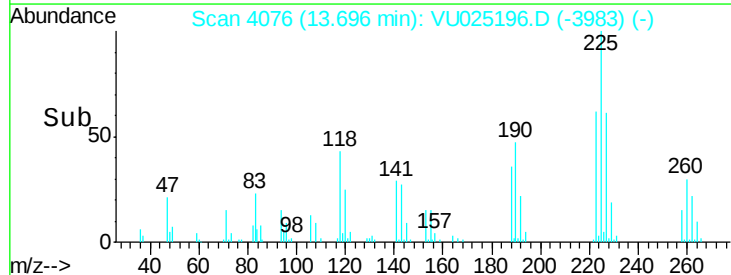
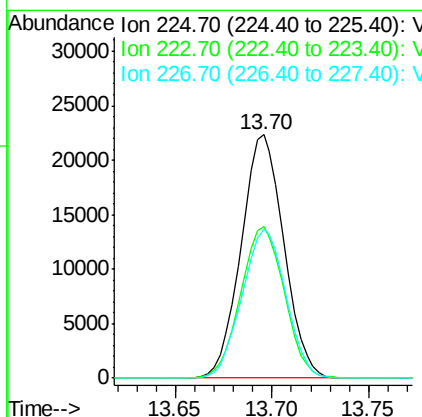
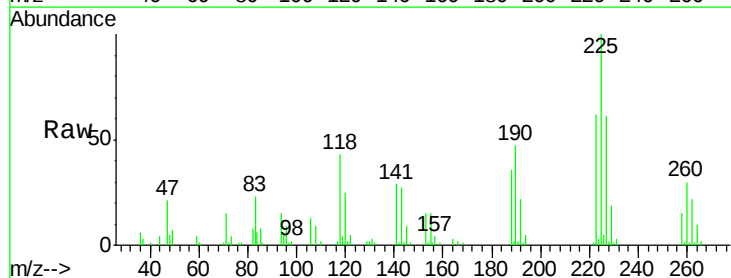
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0703WBS02

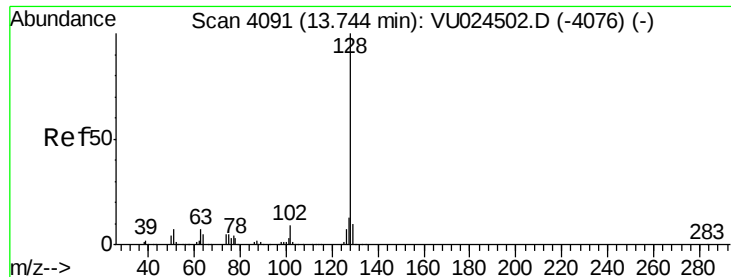
Tot Ion:180 Resp: 61291
 Ion Ratio Lower Upper
 180 100
 182 95.1 48.0 144.2
 145 28.8 14.7 44.1



#94
 Hexachlorobutadiene
 Concen: 21.398 ug/l
 RT: 13.70 min Scan# 4076
 Delta R.T. -0.00 min
 Lab File: VU025196.D
 Acq: 03 Jul 2018 18:01

Tgt Ion:225 Resp: 34316
 Ion Ratio Lower Upper
 225 100
 223 63.3 31.3 93.8
 227 62.3 31.8 95.4





#95

Naphthalene

Concen: 23.655 ug/l

RT: 13.75 min Scan# 4092

Delta R.T. 0.00 min

Lab File: VU025196.D

Acq: 03 Jul 2018 18:01

Instrument :

MSVOA_U

ClientSampleId :

VU0703WBS02

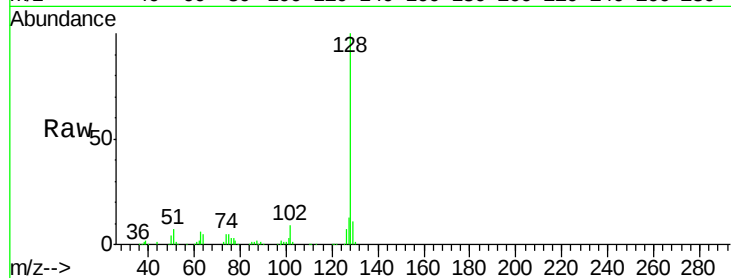
Tot Ion:128 Resp: 219700

Ion Ratio Lower Upper

128 100

127 13.2 10.6 16.0

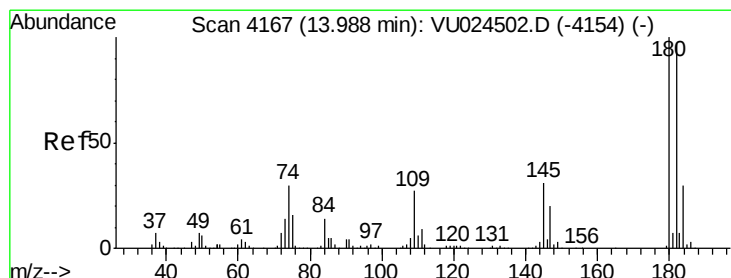
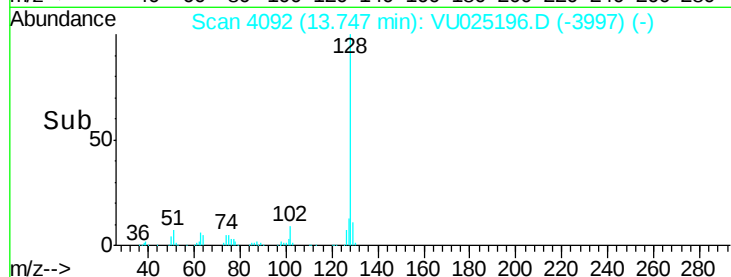
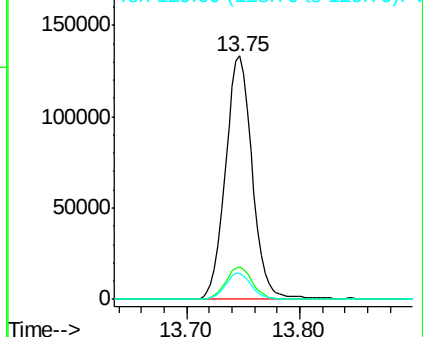
129 10.7 8.6 12.8



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: 23.229 ug/l

RT: 13.99 min Scan# 4167

Delta R.T. -0.00 min

Lab File: VU025196.D

Acq: 03 Jul 2018 18:01

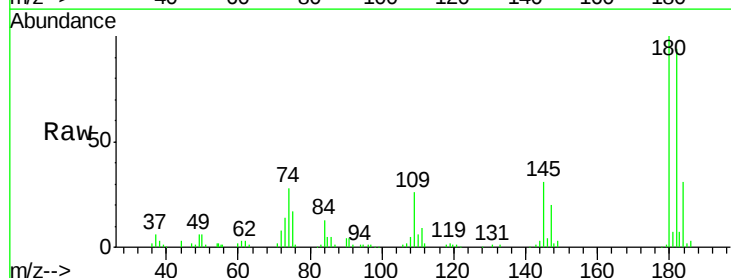
Tgt Ion:180 Resp: 65949

Ion Ratio Lower Upper

180 100

182 96.5 47.9 143.7

145 30.9 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

