

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU071118\
 Data File : VU025308.D
 Acq On : 11 Jul 2018 12:38
 Operator : MD/SY
 Sample : VU0711WBS01
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0711WBS01

Quant Time: Jul 12 03:08:55 2018
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U070918W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 10 09:34:16 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	150472	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	218440	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	203730	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	113832	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	100953	43.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.36%	
35) Dibromofluoromethane	4.89	113	81626	44.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.60%	
50) Toluene-d8	7.57	98	263381	41.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	83.48%	
62) 4-Bromofluorobenzene	10.31	95	107037	42.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	84.26%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	27242	17.49	ug/l	96
3) Chloromethane	1.33	50	26996	17.77	ug/l	98
4) Vinyl Chloride	1.40	62	28908	16.89	ug/l	98
5) Bromomethane	1.62	94	18850	18.18	ug/l	98
6) Chloroethane	1.70	64	20066	18.62	ug/l	94
7) Trichlorofluoromethane	1.89	101	46991	17.47	ug/l	99
8) Diethyl Ether	2.10	74	18459	18.29	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.29	101	30682	18.41	ug/l	99
10) Methyl Iodide	2.41	142	25796	19.40	ug/l	99
11) Tert butyl alcohol	2.82	59	41513	81.40	ug/l	99
12) 1,1-Dichloroethene	2.28	96	26691	17.50	ug/l	97
13) Acrolein	2.19	56	17213	51.02	ug/l	96
14) Allyl chloride	2.59	41	46823	16.93	ug/l	96
15) Acrylonitrile	2.93	53	90465	86.28	ug/l	99
16) Acetone	2.32	43	111849	96.80	ug/l	100
17) Carbon Disulfide	2.48	76	67255	16.44	ug/l	99
18) Methyl Acetate	2.62	43	43163	18.03	ug/l	98
19) Methyl tert-butyl Ether	3.00	73	106005	18.27	ug/l	99
20) Methylene Chloride	2.70	84	40317	22.68	ug/l	96
21) trans-1,2-Dichloroethene	2.99	96	28995	16.63	ug/l	96
22) Diisopropyl ether	3.57	45	101157	17.91	ug/l	98
23) Vinyl Acetate	3.53	43	437163	88.22	ug/l	99
24) 1,1-Dichloroethane	3.45	63	57978	18.20	ug/l	99
25) 2-Butanone	4.26	43	138247	85.32	ug/l	97
26) 2,2-Dichloropropane	4.23	77	53787	17.56	ug/l	99
27) cis-1,2-Dichloroethene	4.23	96	35013	17.36	ug/l	98
28) Bromochloromethane	4.55	49	27382	17.80	ug/l	98
29) Tetrahydrofuran	4.63	42	82501	84.89	ug/l	98
30) Chloroform	4.68	83	62229	18.44	ug/l	98
31) Cyclohexane	5.00	56	52317	18.20	ug/l	95
32) 1,1,1-Trichloroethane	4.92	97	55574	18.17	ug/l	100
36) 1,1-Dichloropropene	5.14	75	41723	17.18	ug/l	97
37) Ethyl Acetate	4.38	43	49316	18.21	ug/l	99
38) Carbon Tetrachloride	5.14	117	47568	18.20	ug/l	98

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Quant Time: Jul 12 03:08:55 2018
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U070918W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 10 09:34:16 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	51801	17.10	ug/l	99
40) Benzene	5.39	78	126533	18.08	ug/l	98
41) Methacrylonitrile	4.54	41	27092	18.04	ug/l	99
42) 1,2-Dichloroethane	5.41	62	51230	18.42	ug/l	100
43) Isopropyl Acetate	5.55	43	78828	18.18	ug/l	99
44) Trichloroethene	6.19	130	34897	17.37	ug/l	99
45) 1,2-Dichloropropane	6.44	63	33520	18.29	ug/l	98
46) Dibromomethane	6.56	93	23943	17.95	ug/l	99
47) Bromodichloromethane	6.76	83	45303	18.28	ug/l	96
48) Methyl methacrylate	6.62	41	39879	18.44	ug/l	98
49) 1,4-Dioxane	6.61	88	17696	340.14	ug/l	99
51) 4-Methyl-2-Pentanone	7.46	43	248299	88.08	ug/l	99
52) Toluene	7.64	92	79509	17.86	ug/l	99
53) t-1,3-Dichloropropene	7.88	75	48473	17.80	ug/l	95
54) cis-1,3-Dichloropropene	7.27	75	49767	17.17	ug/l	99
55) 1,1,2-Trichloroethane	8.07	97	33509	18.07	ug/l	98
56) Ethyl methacrylate	8.02	69	51148	17.66	ug/l	100
57) 1,3-Dichloropropane	8.25	76	56749	18.43	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.13	63	91737	72.26	ug/l	100
59) 2-Hexanone	8.36	43	195345	85.43	ug/l	100
60) Dibromochloromethane	8.48	129	35473	17.71	ug/l	99
61) 1,2-Dibromoethane	8.59	107	35702	17.99	ug/l	99
64) Tetrachloroethene	8.23	164	33364	17.97	ug/l	99
65) Chlorobenzene	9.12	112	91354	17.95	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.21	131	33722	18.52	ug/l	98
67) Ethyl Benzene	9.25	91	155958	17.97	ug/l	98
68) m/p-Xylenes	9.38	106	119968	35.76	ug/l	99
69) o-Xylene	9.78	106	60466	18.00	ug/l	97
70) Styrene	9.80	104	95122	17.83	ug/l	100
71) Bromoform	9.96	173	26745	18.39	ug/l #	100
73) Isopropylbenzene	10.17	105	163021	18.74	ug/l	98
74) N-amyl acetate	10.01	43	66184	19.39	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.46	83	53313	18.74	ug/l	99
76) 1,2,3-Trichloropropane	10.50	75	60318	26.10	ug/l	86
77) Bromobenzene	10.45	156	40620	18.26	ug/l	96
78) n-propylbenzene	10.59	91	179017	18.55	ug/l	100
79) 2-Chlorotoluene	10.66	91	109522	19.85	ug/l	99
80) 1,3,5-Trimethylbenzene	10.78	105	136963	18.71	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.50	75	60318	66.51	ug/l #	100
82) 4-Chlorotoluene	10.78	91	125511	18.37	ug/l	100
83) tert-Butylbenzene	11.10	119	138085	18.67	ug/l	99
84) 1,2,4-Trimethylbenzene	11.15	105	136383	18.18	ug/l	99
85) sec-Butylbenzene	11.33	105	164175	18.85	ug/l	99
86) p-Isopropyltoluene	11.48	119	143072	18.56	ug/l	100
87) 1,3-Dichlorobenzene	11.42	146	71063	17.48	ug/l	99
88) 1,4-Dichlorobenzene	11.51	146	73817	19.52	ug/l	99
89) n-Butylbenzene	11.89	91	111889	17.65	ug/l	99
90) Hexachloroethane	12.15	117	23432	17.95	ug/l	98
91) 1,2-Dichlorobenzene	11.88	146	75312	18.34	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	12699	18.40	ug/l	92

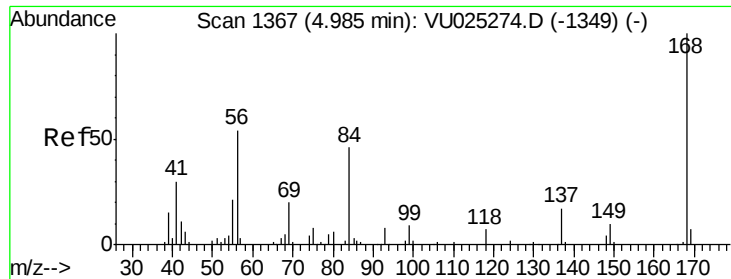
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU071118\
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Quant Title : SW846 8260
QLast Update : Tue Jul 10 09:34:16 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.51	180	41724	17.46	ug/l	95
94) Hexachlorobutadiene	13.70	225	25630	17.45	ug/l	97
95) Naphthalene	13.75	128	141787	18.56	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	46628	18.38	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 4.99 min Scan# 1367

Delta R.T. 0.00 min

Lab File: VU025308.D

Acq: 11 Jul 2018 12:38

Instrument :

MSVOA_U

ClientSampleId :

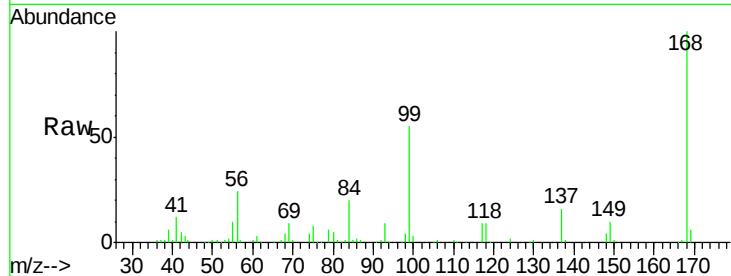
VU0711WBS01

Tot Ion:168 Resp: 150472

Ion Ratio Lower Upper

168 100

99 54.2 42.8 64.2



Abundance Ion 167.90 (167.60 to 168.60): VU025274.D (-1349) (-)

Ion 98.90 (98.60 to 99.60): VU025274.D (-1349) (-)

4.99

60000

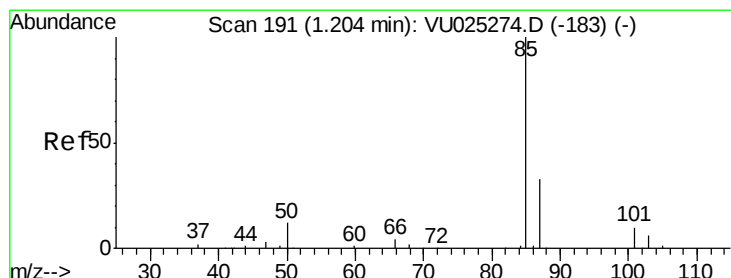
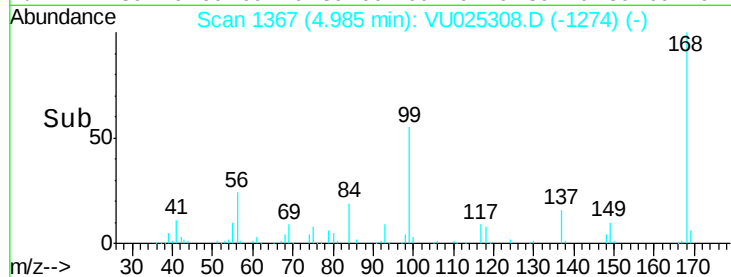
40000

20000

0

4.90 4.95 5.00 5.05 5.10

Time-->



#2

Dichlorodifluoromethane

Concen: 17.49 ug/l

RT: 1.20 min Scan# 191

Delta R.T. 0.00 min

Lab File: VU025308.D

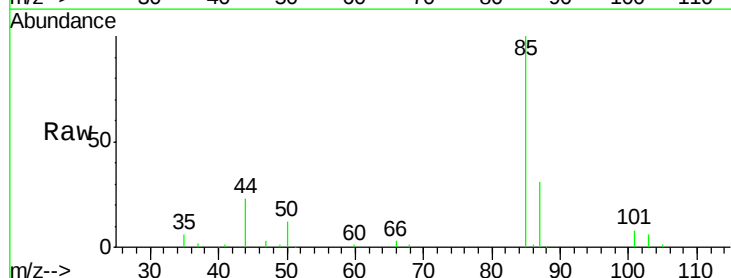
Acq: 11 Jul 2018 12:38

Tgt Ion: 85 Resp: 27242

Ion Ratio Lower Upper

85 100

87 31.0 16.5 49.5



Abundance Ion 84.90 (84.60 to 85.60): VU025274.D (-183) (-)

Ion 86.90 (86.60 to 87.60): VU025274.D (-183) (-)

1.20

30000

25000

20000

15000

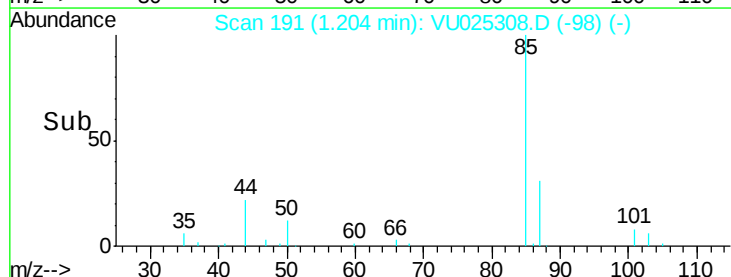
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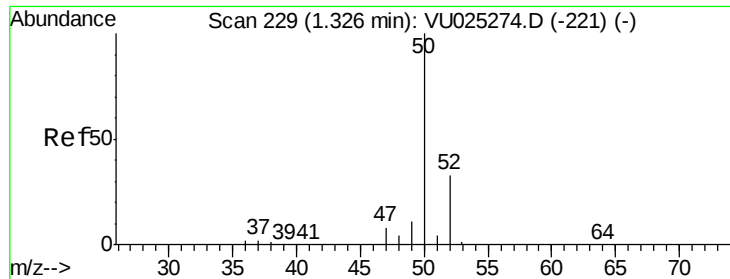
5000

0

1.15 1.20 1.25

Time-->

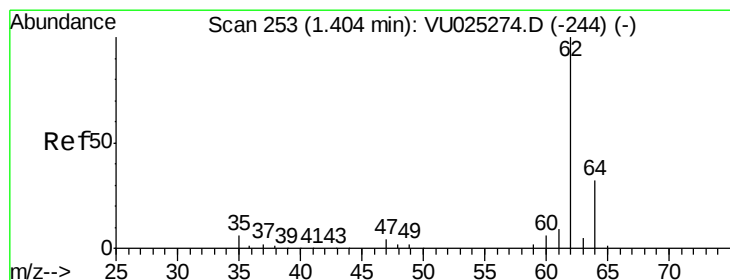
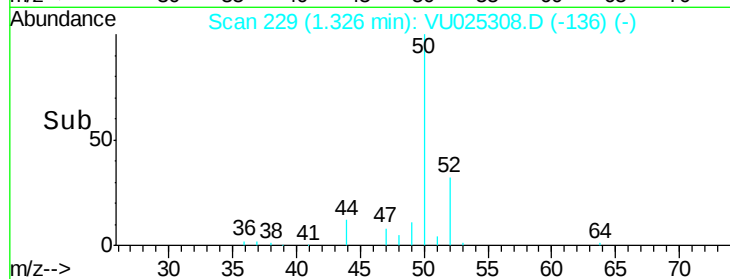
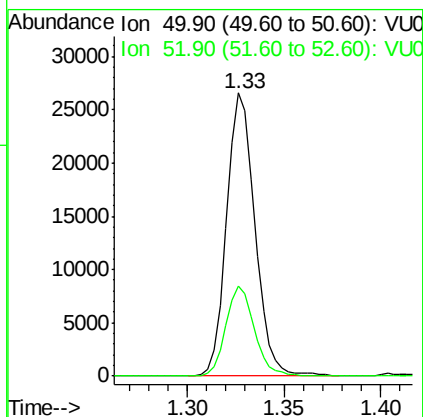
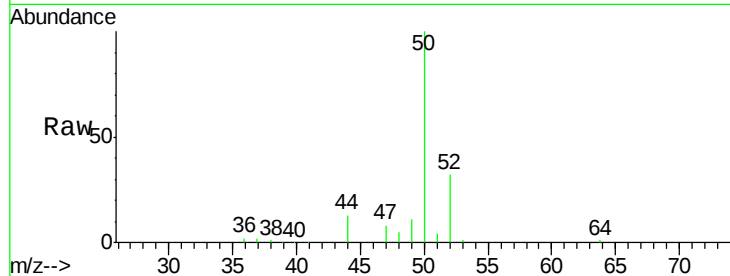




#3
Chloromethane
Concen: 17.77 ug/l
RT: 1.33 min Scan# 229
Delta R.T. 0.00 min
Lab File: VU025308.D
Acq: 11 Jul 2018 12:38

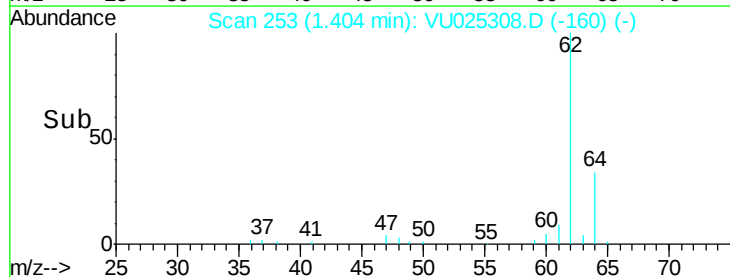
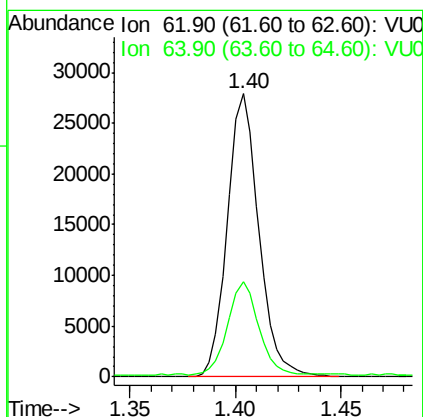
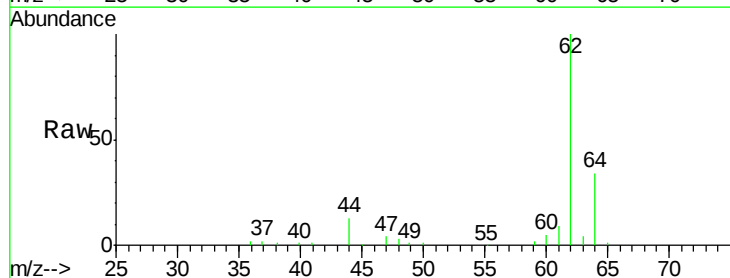
Instrument :
MSVOA_U
ClientSampleId :
VU0711WBS01

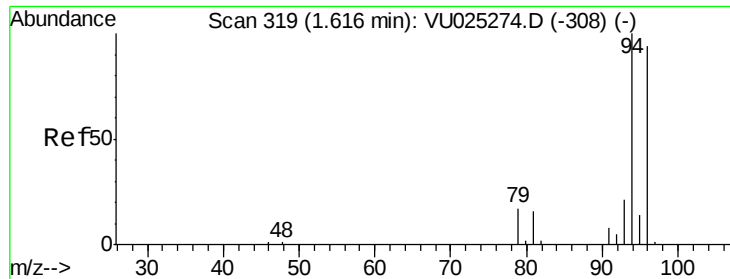
Tot Ion: 50 Resp: 26996
Ion Ratio Lower Upper
50 100
52 32.0 26.5 39.7



#4
Vinyl Chloride
Concen: 16.89 ug/l
RT: 1.40 min Scan# 253
Delta R.T. 0.00 min
Lab File: VU025308.D
Acq: 11 Jul 2018 12:38

Tgt Ion: 62 Resp: 28908
Ion Ratio Lower Upper
62 100
64 32.8 25.4 38.0





#5

Bromomethane

Concen: 18.18 ug/l

RT: 1.62 min Scan# 321

Delta R.T. 0.01 min

Lab File: VU025308.D

Acq: 11 Jul 2018 12:38

Instrument :

MSVOA_U

ClientSampleId :

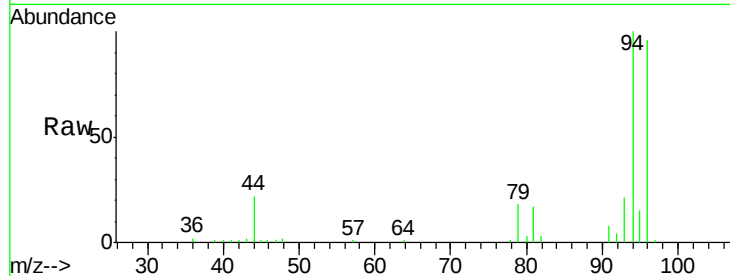
VU0711WBS01

Tot Ion: 94 Resp: 18850

Ion Ratio Lower Upper

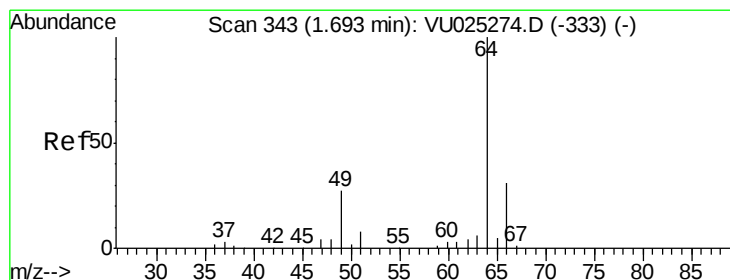
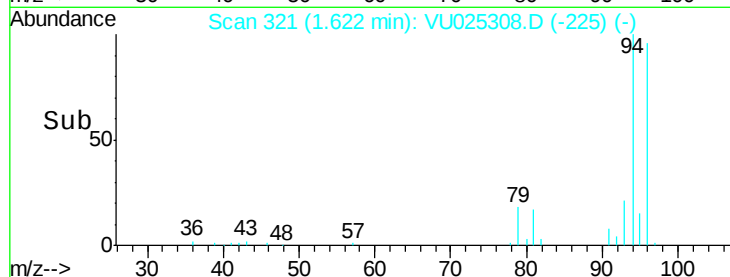
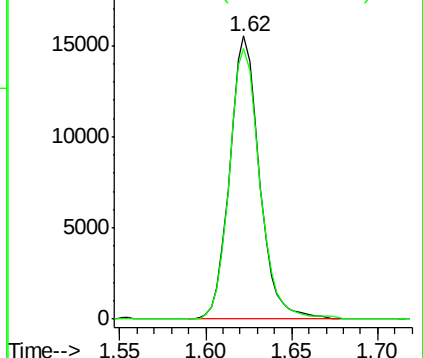
94 100

96 95.8 75.0 112.4



Abundance Ion 93.90 (93.60 to 94.60): VU0

Ion 95.90 (95.60 to 96.60): VU0



#6

Chloroethane

Concen: 18.62 ug/l

RT: 1.70 min Scan# 344

Delta R.T. 0.00 min

Lab File: VU025308.D

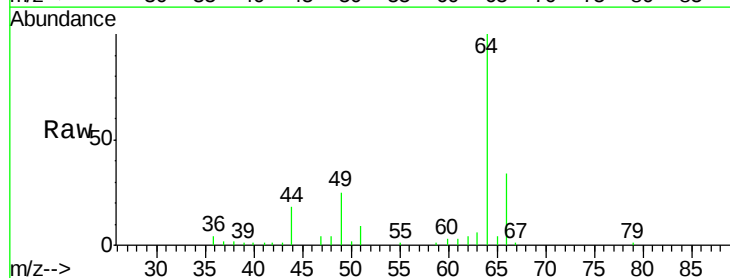
Acq: 11 Jul 2018 12:38

Tgt Ion: 64 Resp: 20066

Ion Ratio Lower Upper

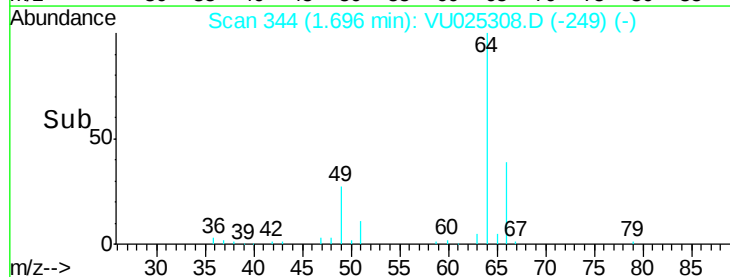
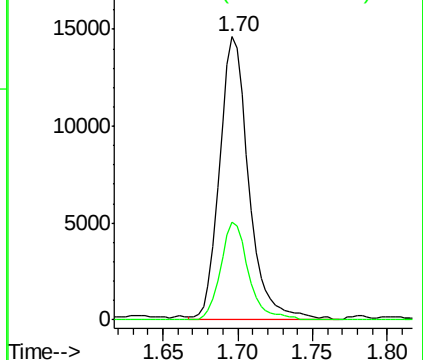
64 100

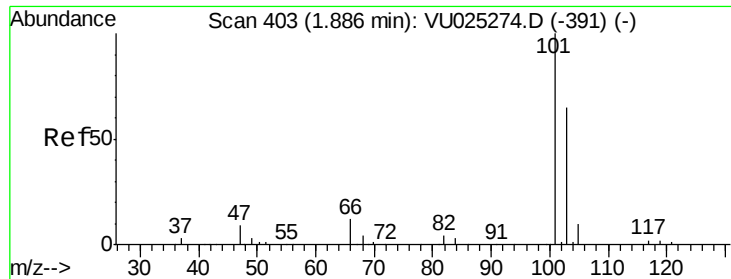
66 34.3 25.0 37.4



Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0



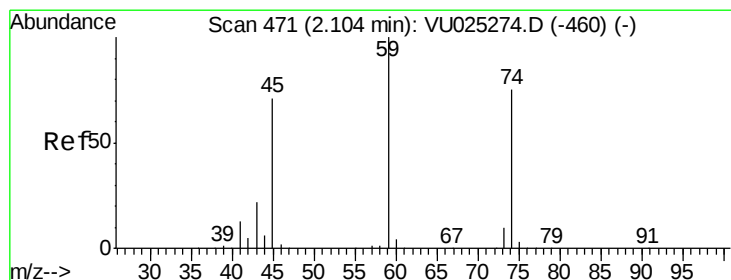
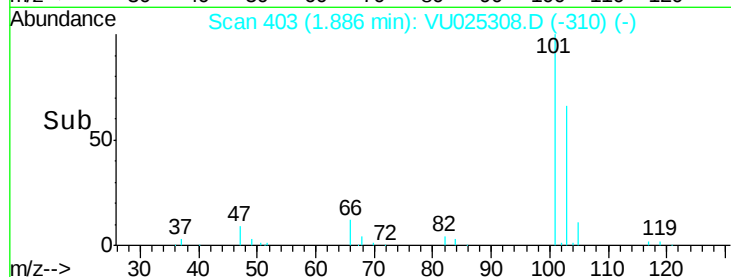
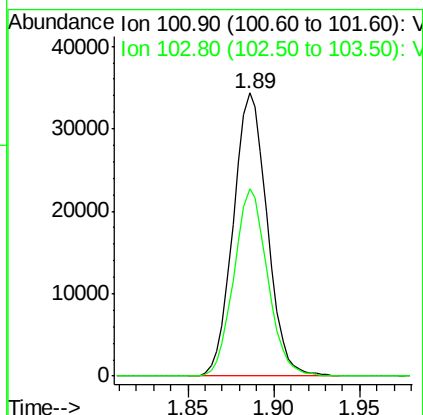
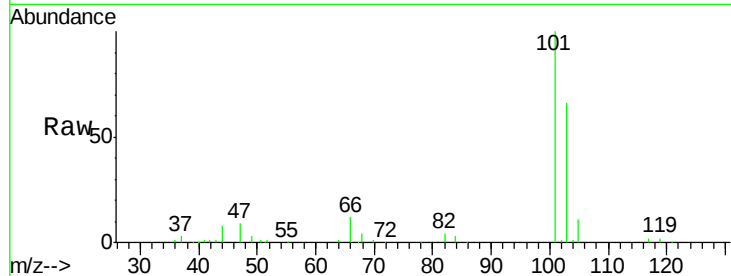


#7

Trichlorofluoromethane
 Concen: 17.47 ug/l
 RT: 1.89 min Scan# 403
 Delta R.T. 0.00 min
 Lab File: VU025308.D
 Acq: 11 Jul 2018 12:38

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0711WBS01

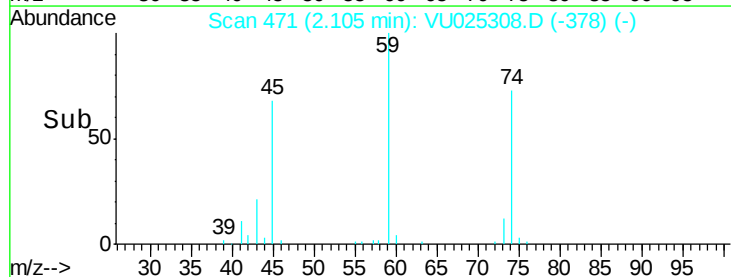
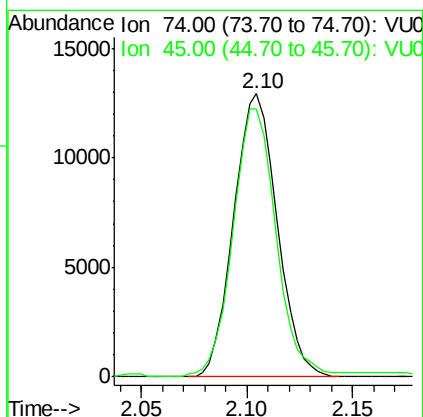
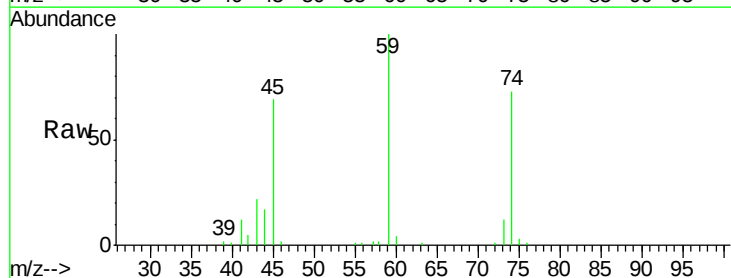
Tot Ion:101 Resp: 46991
 Ion Ratio Lower Upper
 101 100
 103 66.2 52.2 78.2

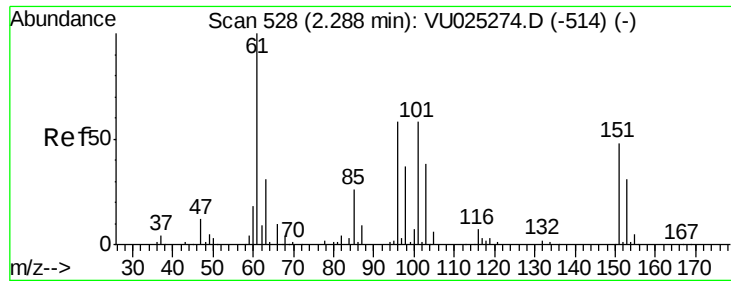


#8

Diethyl Ether
 Concen: 18.29 ug/l
 RT: 2.10 min Scan# 471
 Delta R.T. 0.00 min
 Lab File: VU025308.D
 Acq: 11 Jul 2018 12:38

Tgt Ion: 74 Resp: 18459
 Ion Ratio Lower Upper
 74 100
 45 94.5 48.3 144.9

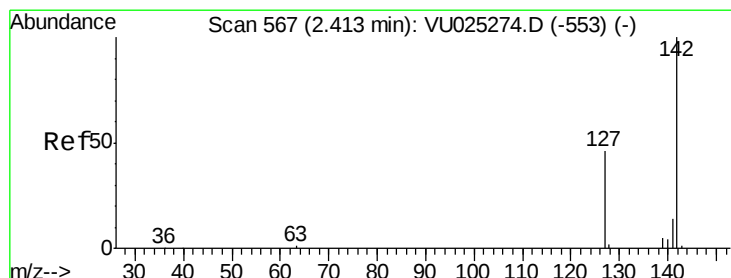
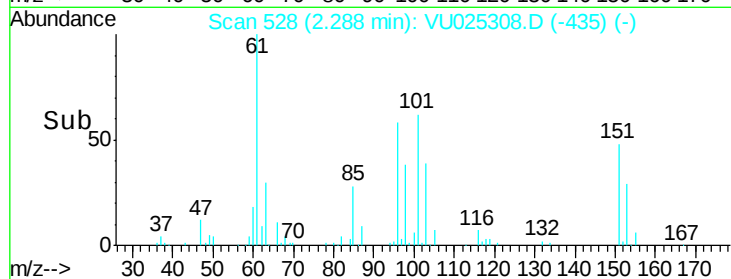
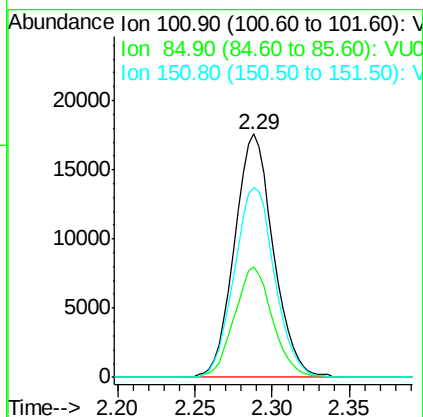
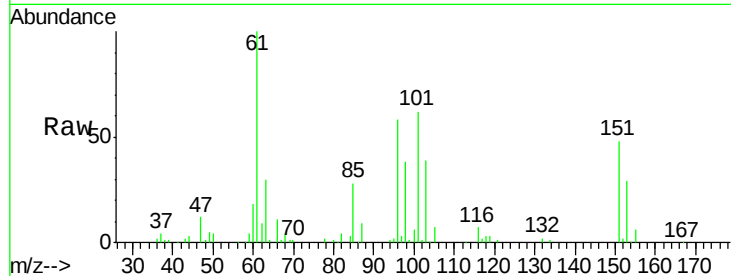




#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 18.41 ug/l
 RT: 2.29 min Scan# 528
 Delta R.T. 0.00 min
 Lab File: VU025308.D
 Acq: 11 Jul 2018 12:38

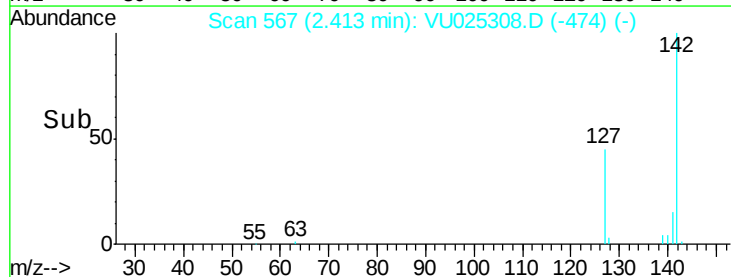
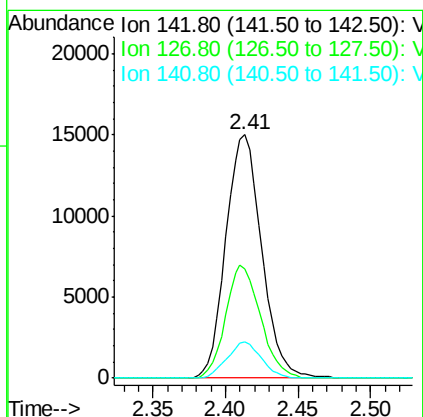
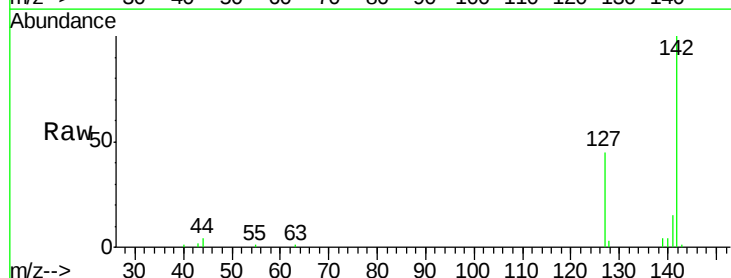
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0711WBS01

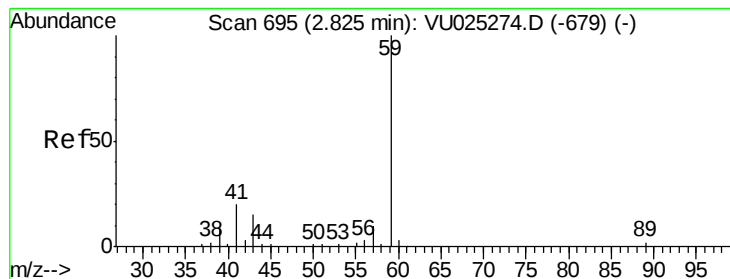
Tot Ion:101 Resp: 30682
 Ion Ratio Lower Upper
 101 100
 85 44.5 36.0 54.0
 151 81.1 65.6 98.4



#10
 Methyl Iodide
 Concen: 19.40 ug/l
 RT: 2.41 min Scan# 567
 Delta R.T. 0.00 min
 Lab File: VU025308.D
 Acq: 11 Jul 2018 12:38

Tgt Ion:142 Resp: 25796
 Ion Ratio Lower Upper
 142 100
 127 44.8 36.5 54.7
 141 14.1 11.4 17.2



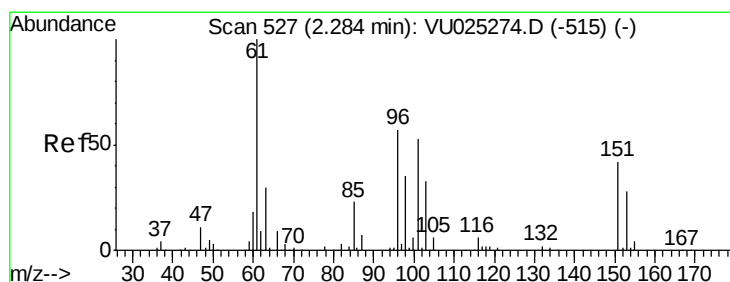
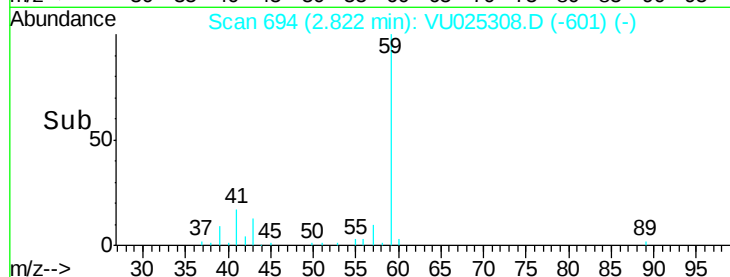
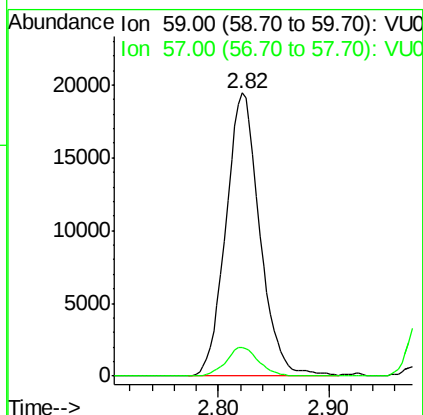
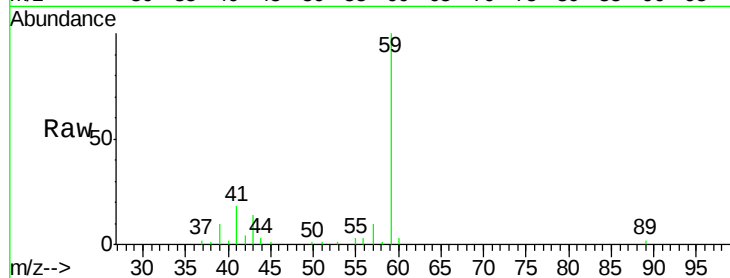


#11

Tert butyl alcohol
 Concen: 81.40 ug/l
 RT: 2.82 min Scan# 694
 Delta R.T. -0.00 min
 Lab File: VU025308.D
 Acq: 11 Jul 2018 12:38

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0711WBS01

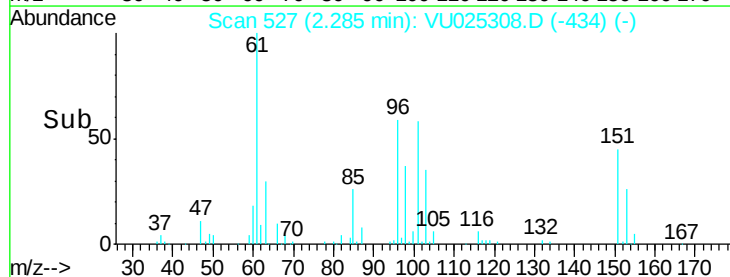
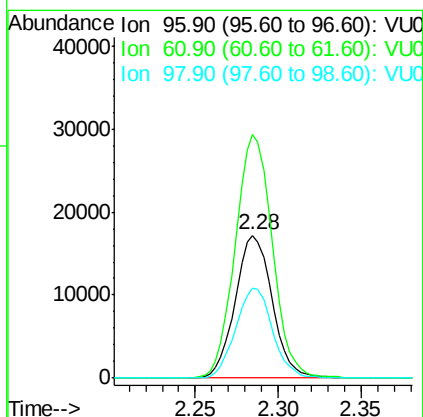
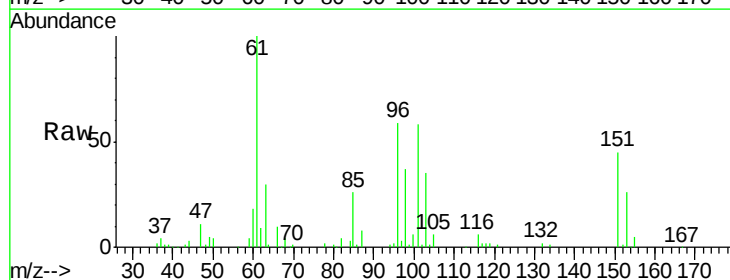
Tot Ion: 59 Resp: 41513
 Ion Ratio Lower Upper
 59 100
 57 9.8 8.2 12.2

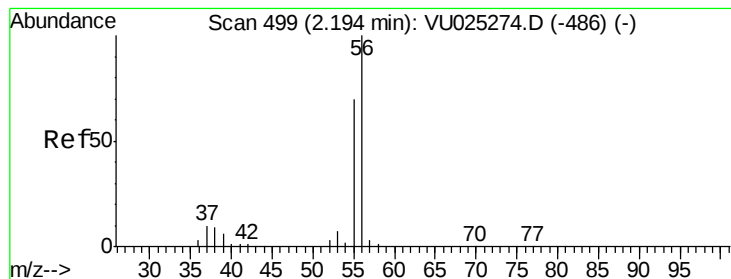


#12

1,1-Dichloroethene
 Concen: 17.50 ug/l
 RT: 2.28 min Scan# 527
 Delta R.T. 0.00 min
 Lab File: VU025308.D
 Acq: 11 Jul 2018 12:38

Tgt Ion: 96 Resp: 26691
 Ion Ratio Lower Upper
 96 100
 61 170.5 140.2 210.4
 98 63.0 49.3 73.9





#13

Acrolein

Concen: 51.02 ug/l

RT: 2.19 min Scan# 499

Delta R.T. 0.00 min

Lab File: VU025308.D

Acq: 11 Jul 2018 12:38

Instrument :

MSVOA_U

ClientSampleId :

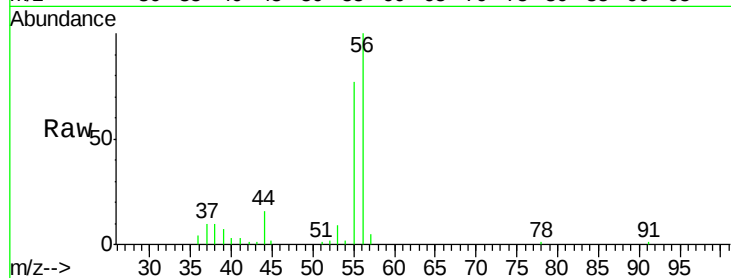
VU0711WBS01

Tot Ion: 56 Resp: 17213

Ion Ratio Lower Upper

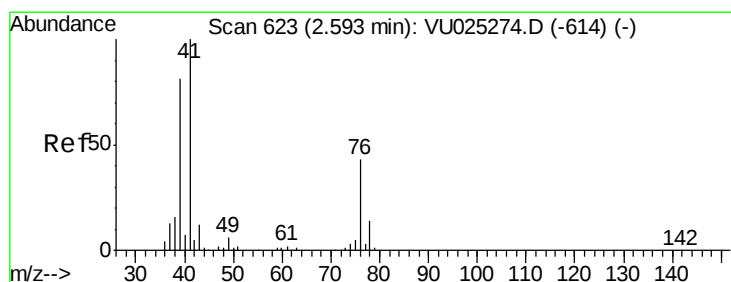
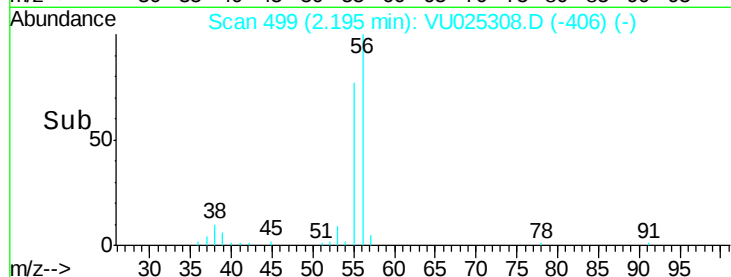
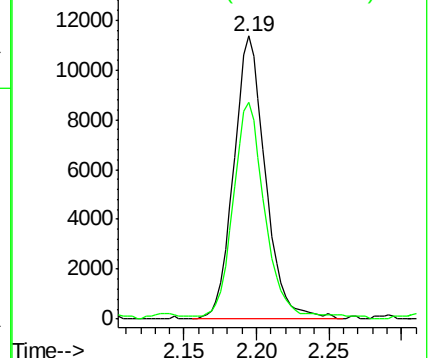
56 100

55 74.8 57.2 85.8



Abundance Ion 56.00 (55.70 to 56.70): VU0

Ion 55.00 (54.70 to 55.70): VU0



#14

Allyl chloride

Concen: 16.93 ug/l

RT: 2.59 min Scan# 623

Delta R.T. 0.00 min

Lab File: VU025308.D

Acq: 11 Jul 2018 12:38

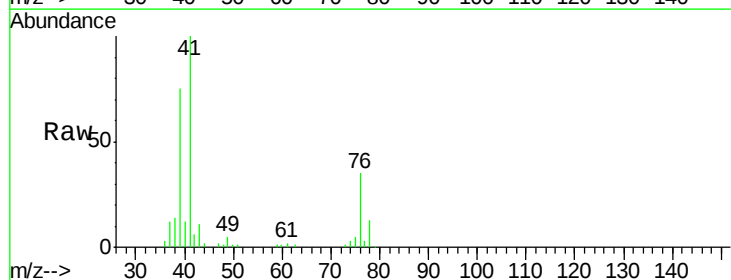
Tgt Ion: 41 Resp: 46823

Ion Ratio Lower Upper

41 100

39 71.6 60.6 91.0

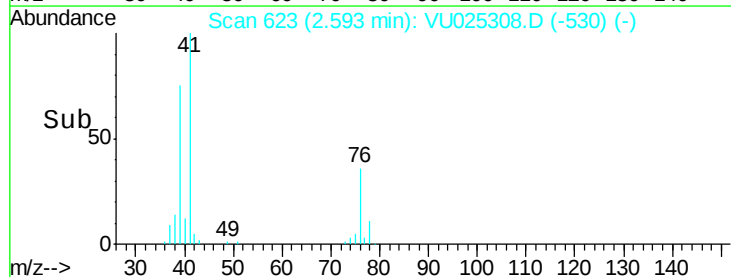
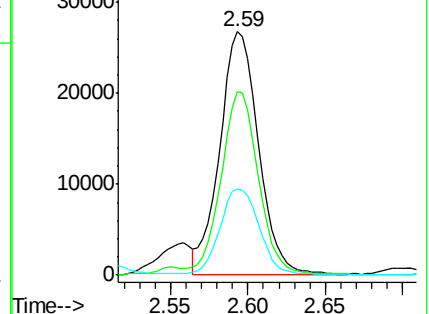
76 35.9 30.5 45.7

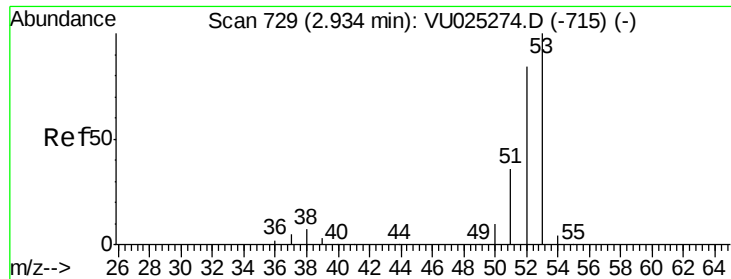


Abundance Ion 41.00 (40.70 to 41.70): VU0

Ion 39.00 (38.70 to 39.70): VU0

Ion 75.90 (75.60 to 76.60): VU0

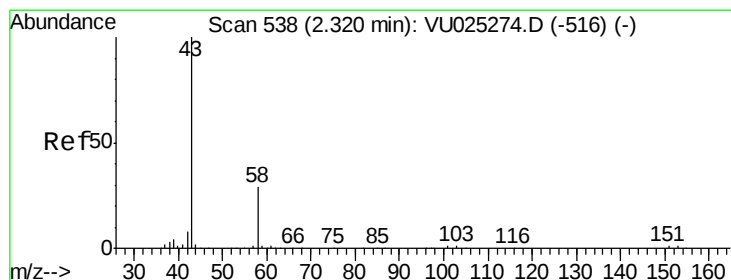
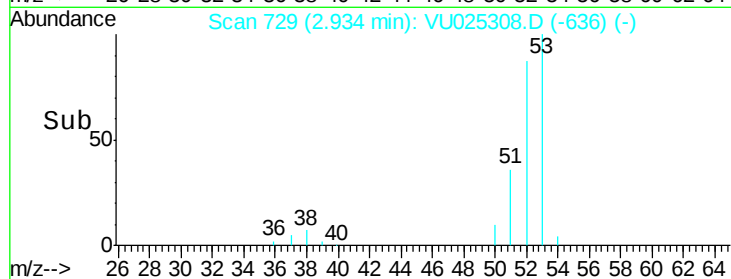
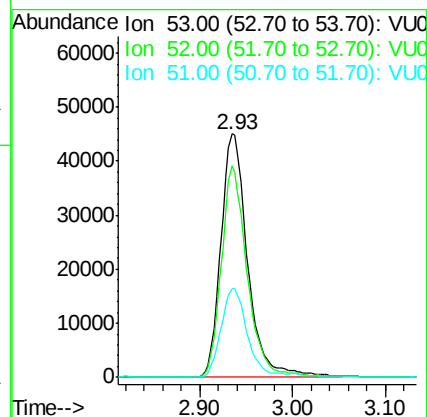
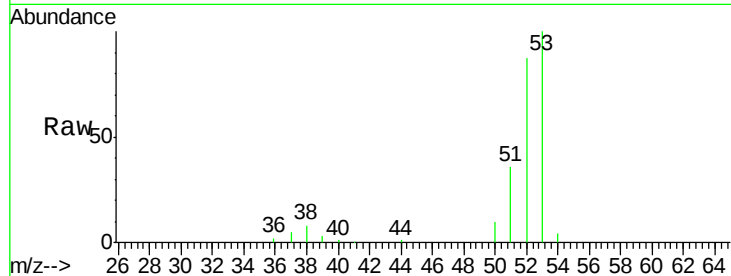




#15
 Acrylonitrile
 Concen: 86.28 ug/l
 RT: 2.93 min Scan# 729
 Delta R.T. 0.00 min
 Lab File: VU025308.D
 Acq: 11 Jul 2018 12:38

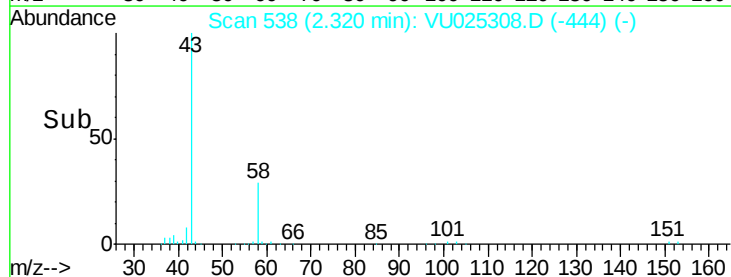
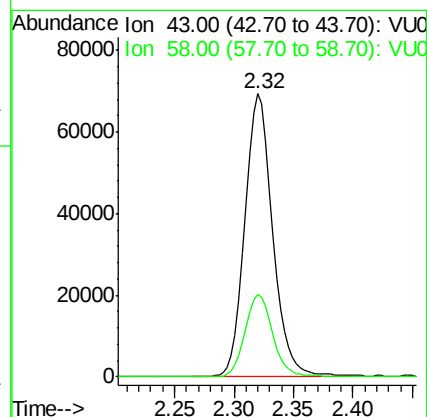
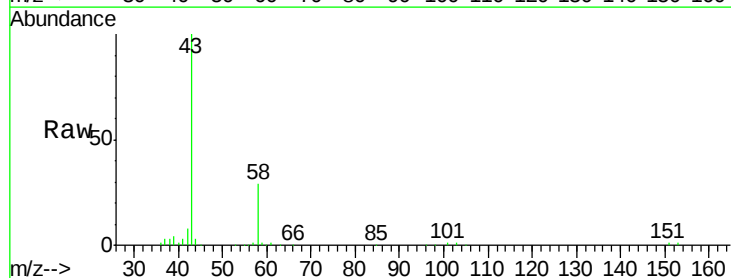
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0711WBS01

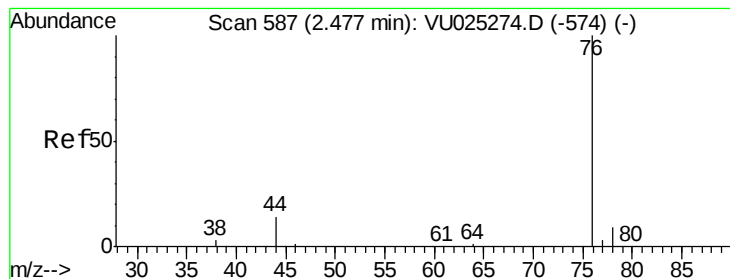
Tot Ion: 53 Resp: 90465
 Ion Ratio Lower Upper
 53 100
 52 83.2 66.6 99.8
 51 35.6 29.4 44.2



#16
 Acetone
 Concen: 96.80 ug/l
 RT: 2.32 min Scan# 538
 Delta R.T. 0.00 min
 Lab File: VU025308.D
 Acq: 11 Jul 2018 12:38

Tgt Ion: 43 Resp: 111849
 Ion Ratio Lower Upper
 43 100
 58 29.0 23.1 34.7





#17

Carbon Disulfide

Concen: 16.44 ug/l

RT: 2.48 min Scan# 587

Delta R.T. 0.00 min

Lab File: VU025308.D

Acq: 11 Jul 2018 12:38

Instrument :

MSVOA_U

ClientSampleId :

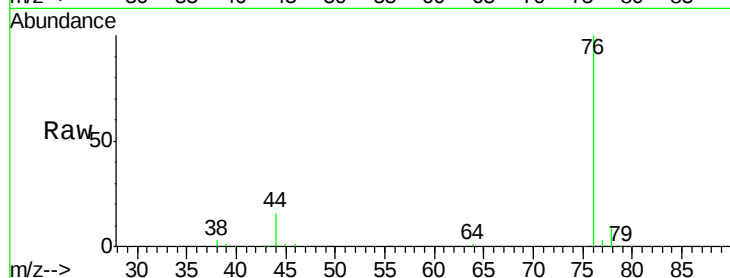
VU0711WBS01

Tot Ion: 76 Resp: 67255

Ion Ratio Lower Upper

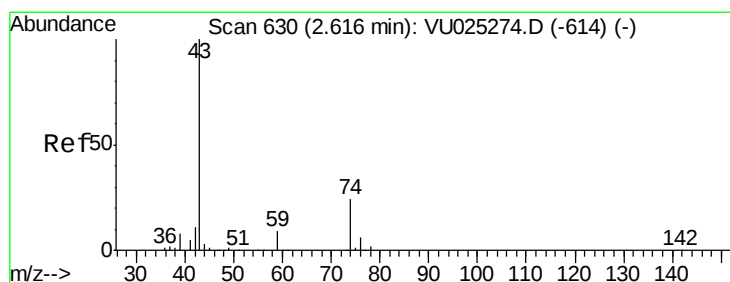
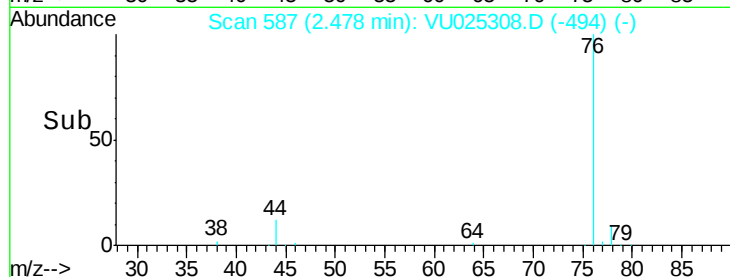
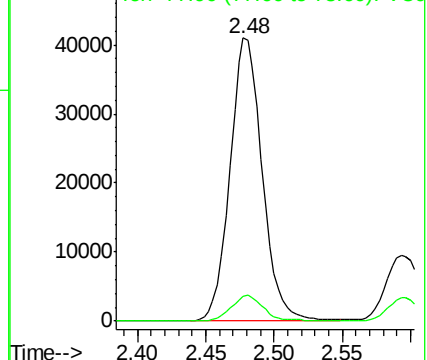
76 100

78 8.8 7.4 11.2



Abundance Ion 75.90 (75.60 to 76.60): VU0

Ion 77.90 (77.60 to 78.60): VU0



#18

Methyl Acetate

Concen: 18.03 ug/l

RT: 2.62 min Scan# 630

Delta R.T. 0.00 min

Lab File: VU025308.D

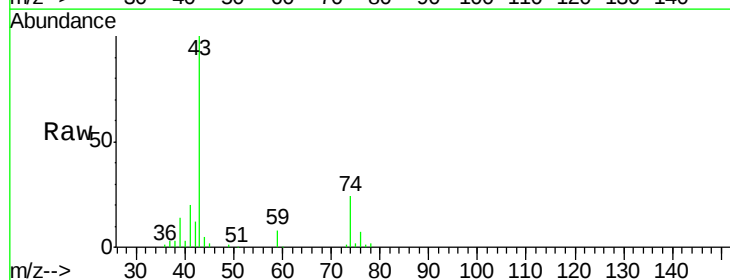
Acq: 11 Jul 2018 12:38

Tgt Ion: 43 Resp: 43163

Ion Ratio Lower Upper

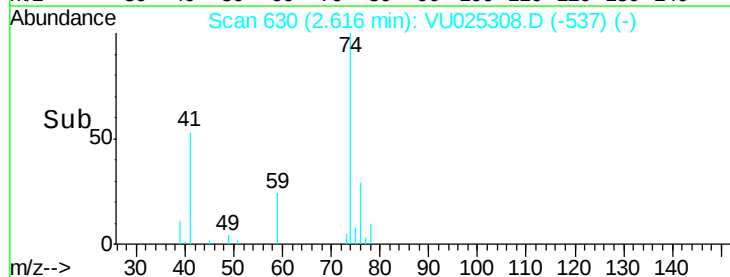
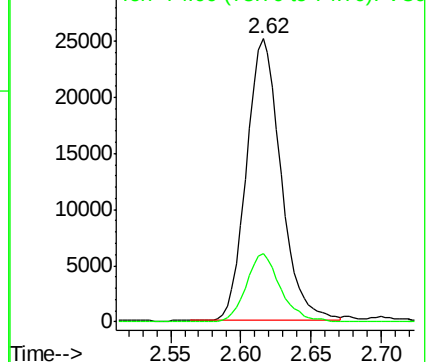
43 100

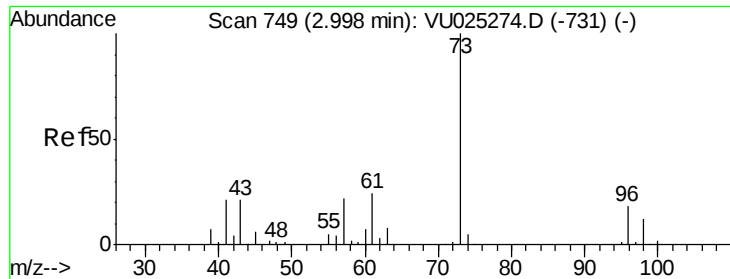
74 24.0 18.5 27.7



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 74.00 (73.70 to 74.70): VU0

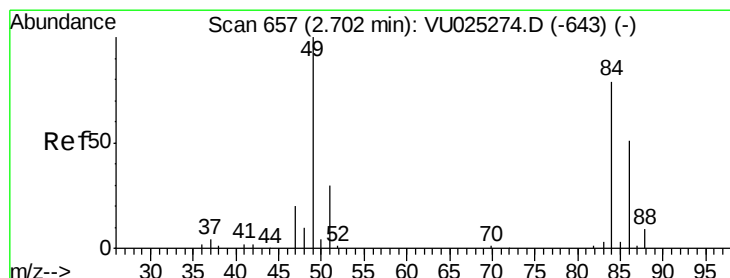
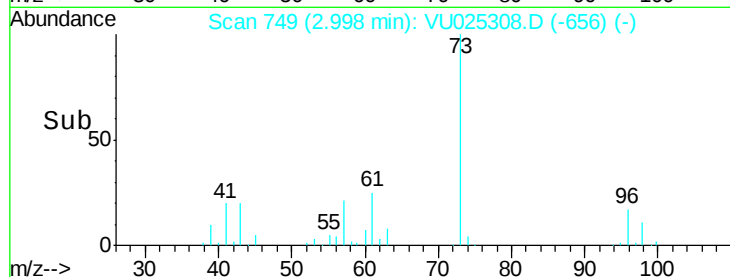
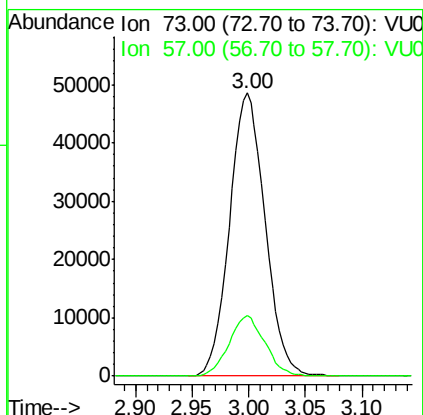
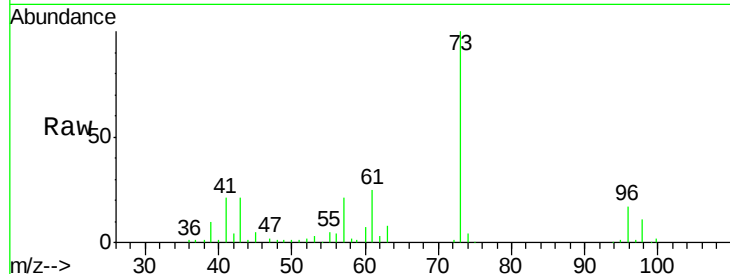




#19
Methyl tert-butyl Ether
Concen: 18.27 ug/l
RT: 3.00 min Scan# 749
Delta R.T. 0.00 min
Lab File: VU025308.D
Acq: 11 Jul 2018 12:38

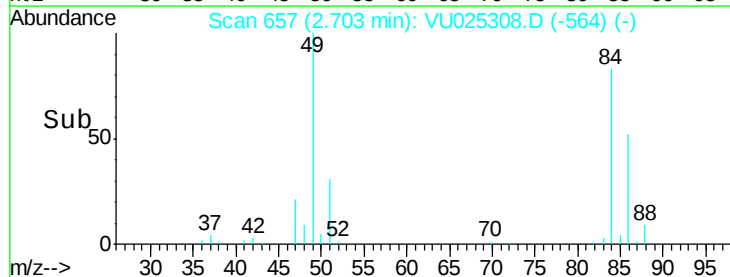
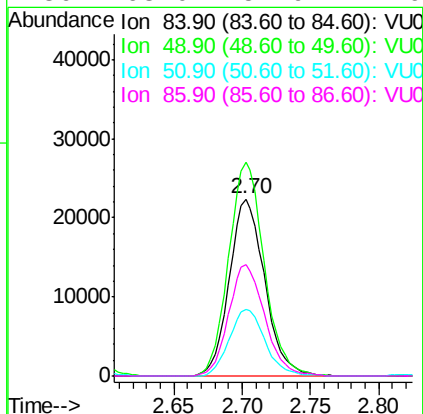
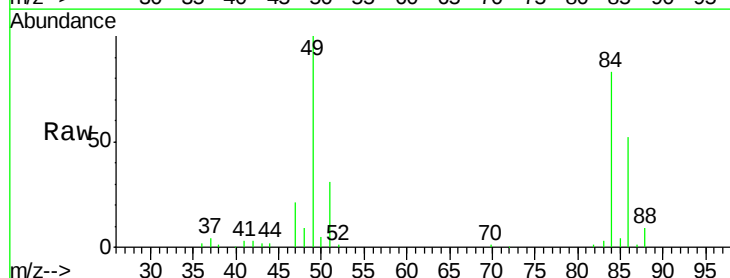
Instrument :
MSVOA_U
ClientSampleId :
VU0711WBS01

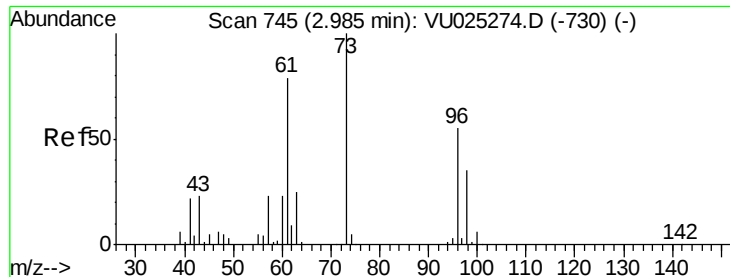
Tot Ion: 73 Resp: 106005
Ion Ratio Lower Upper
73 100
57 21.4 17.4 26.2



#20
Methylene Chloride
Concen: 22.68 ug/l
RT: 2.70 min Scan# 657
Delta R.T. 0.00 min
Lab File: VU025308.D
Acq: 11 Jul 2018 12:38

Tgt Ion: 84 Resp: 40317
Ion Ratio Lower Upper
84 100
49 120.9 101.8 152.6
51 37.8 30.8 46.2
86 63.0 51.9 77.9





#21

trans-1,2-Dichloroethene

Concen: 16.63 ug/l

RT: 2.99 min Scan# 745

Delta R.T. 0.00 min

Lab File: VU025308.D

Acq: 11 Jul 2018 12:38

Instrument :

MSVOA_U

ClientSampleId :

VU0711WBS01

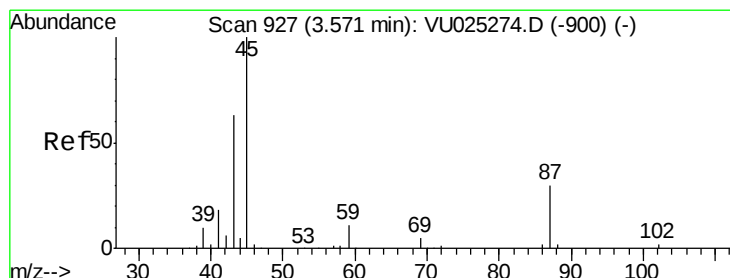
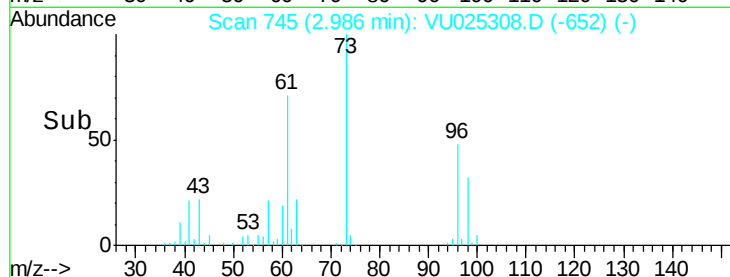
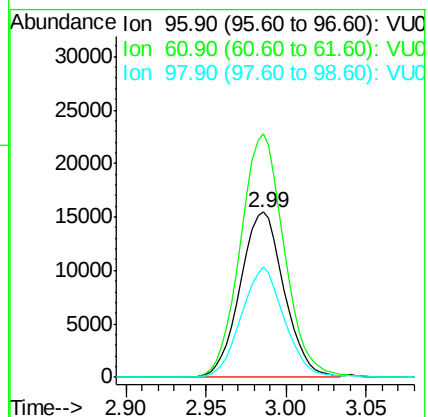
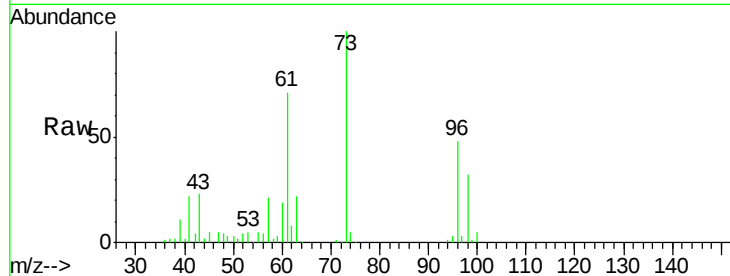
Tot Ion: 96 Resp: 28995

Ion Ratio Lower Upper

96 100

61 147.2 114.5 171.7

98 66.5 50.5 75.7



#22

Diisopropyl ether

Concen: 17.91 ug/l

RT: 3.57 min Scan# 927

Delta R.T. 0.00 min

Lab File: VU025308.D

Acq: 11 Jul 2018 12:38

Tgt Ion: 45 Resp: 101157

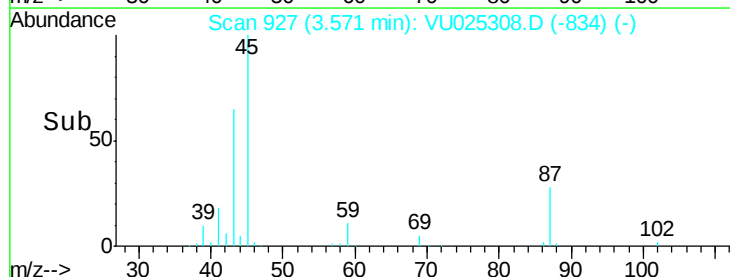
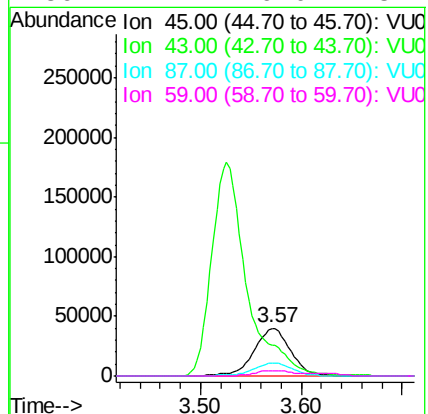
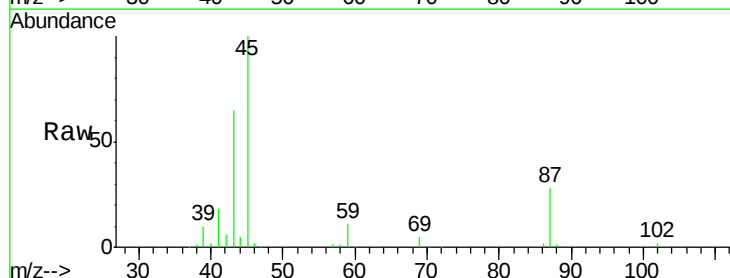
Ion Ratio Lower Upper

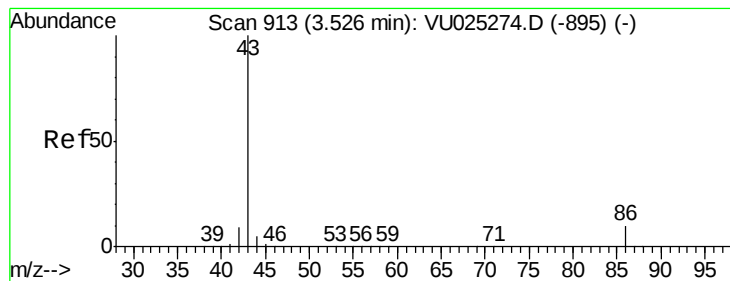
45 100

43 62.0 50.9 76.3

87 27.7 23.8 35.8

59 11.4 9.0 13.4





#23

Vinyl Acetate

Concen: 88.22 ug/l

RT: 3.53 min Scan# 913

Delta R.T. 0.00 min

Lab File: VU025308.D

Acq: 11 Jul 2018 12:38

Instrument :

MSVOA_U

ClientSampleId :

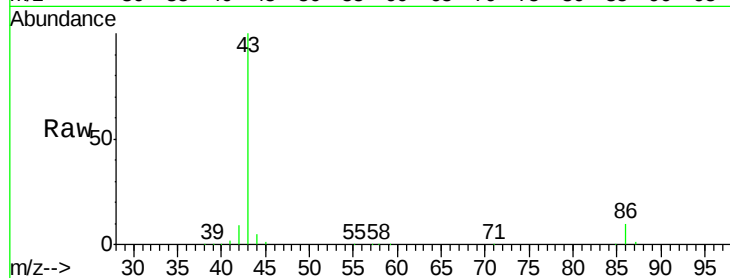
VU0711WBS01

Tot Ion: 43 Resp: 437163

Ion Ratio Lower Upper

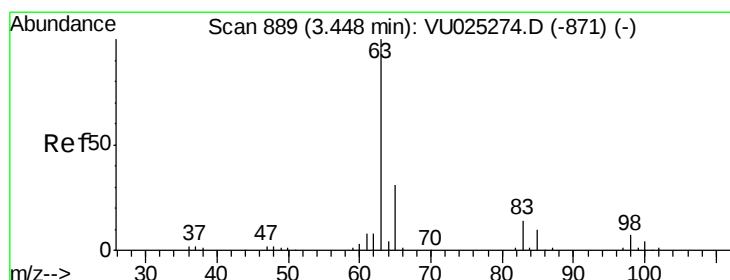
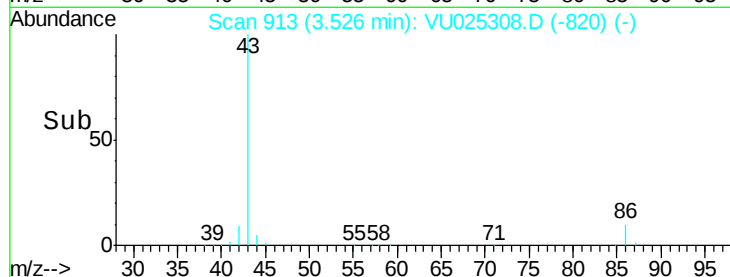
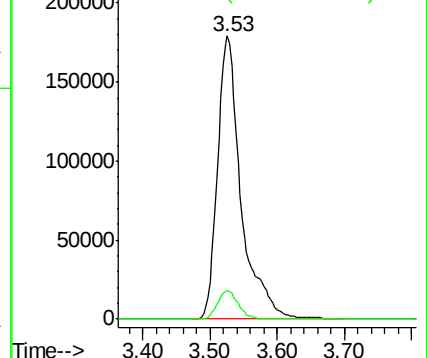
43 100

86 10.0 8.2 12.2



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 86.00 (85.70 to 86.70): VU0



#24

1,1-Dichloroethane

Concen: 18.20 ug/l

RT: 3.45 min Scan# 889

Delta R.T. 0.00 min

Lab File: VU025308.D

Acq: 11 Jul 2018 12:38

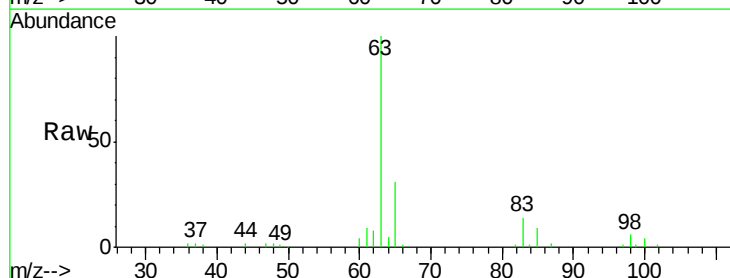
Tgt Ion: 63 Resp: 57978

Ion Ratio Lower Upper

63 100

98 6.3 3.4 10.1

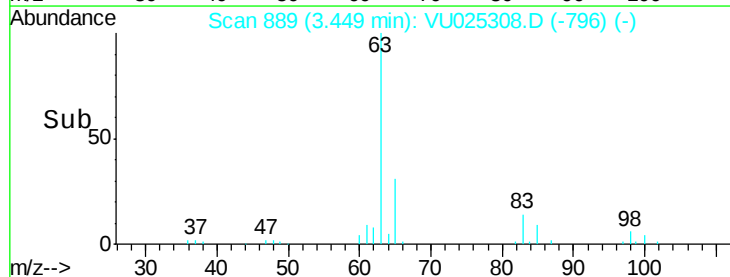
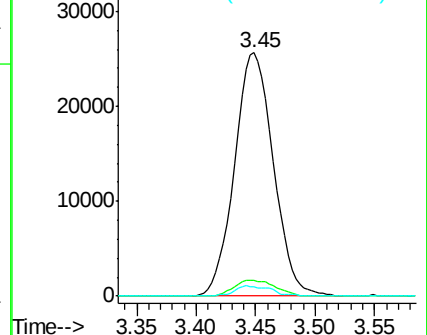
100 3.7 2.0 6.0

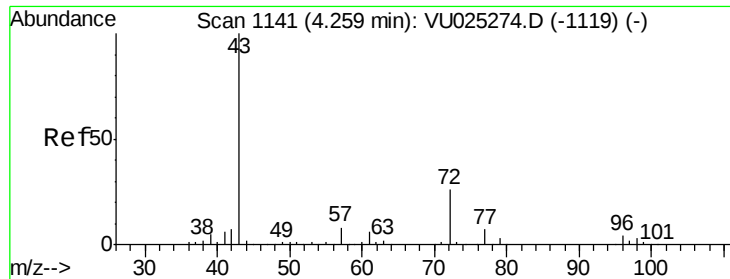


Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 97.90 (97.60 to 98.60): VU0

Ion 99.90 (99.60 to 100.60): VU0

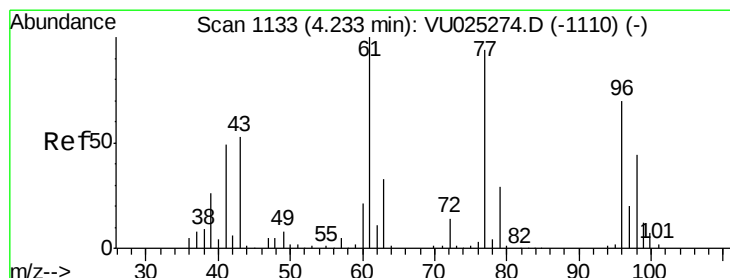
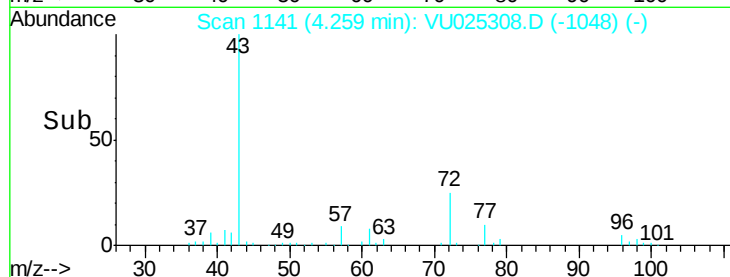
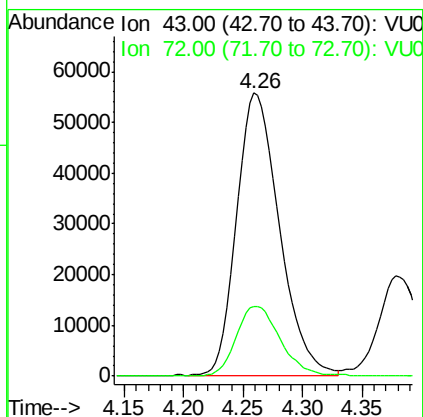
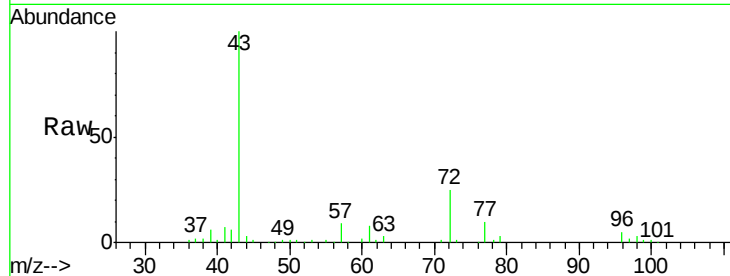




#25
2-Butanone
Concen: 85.32 ug/l
RT: 4.26 min Scan# 1141
Delta R.T. 0.00 min
Lab File: VU025308.D
Acq: 11 Jul 2018 12:38

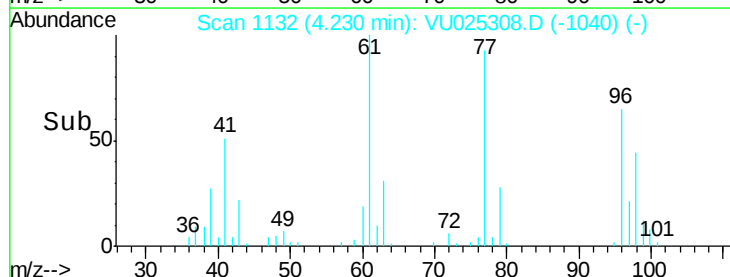
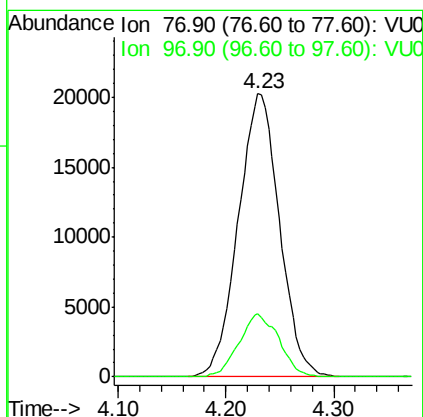
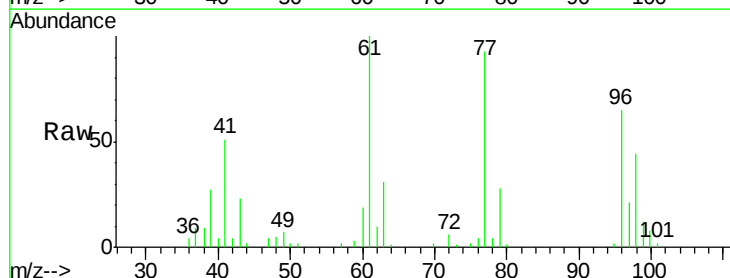
Instrument :
MSVOA_U
ClientSampleId :
VU0711WBS01

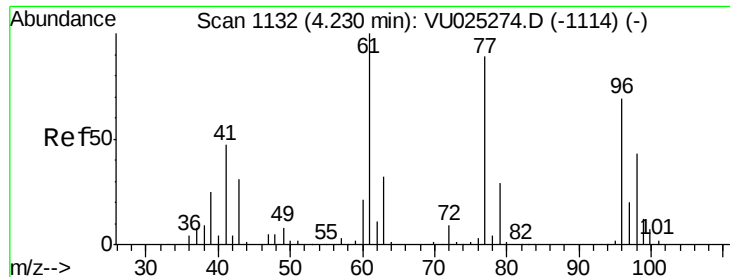
Tot Ion: 43 Resp: 138247
Ion Ratio Lower Upper
43 100
72 24.8 21.0 31.4



#26
2,2-Dichloropropane
Concen: 17.56 ug/l
RT: 4.23 min Scan# 1132
Delta R.T. -0.00 min
Lab File: VU025308.D
Acq: 11 Jul 2018 12:38

Tgt Ion: 77 Resp: 53787
Ion Ratio Lower Upper
77 100
97 21.6 11.2 33.5

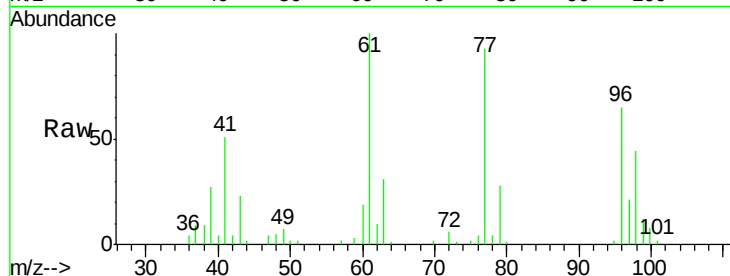




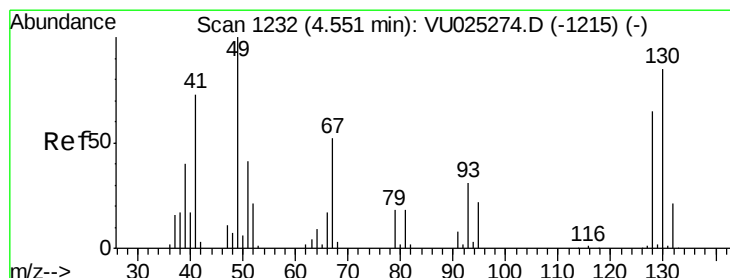
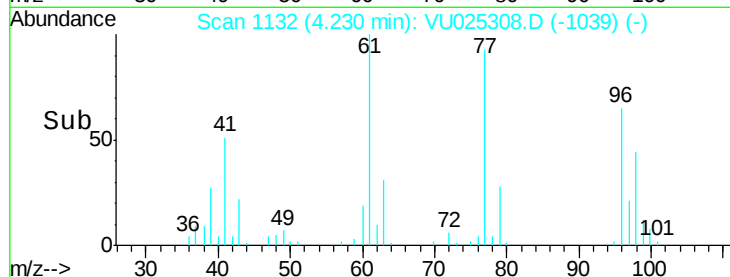
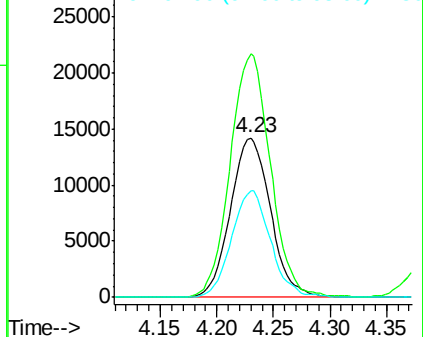
#27
 cis-1,2-Dichloroethene
 Concen: 17.36 ug/l
 RT: 4.23 min Scan# 1132
 Delta R.T. 0.00 min
 Lab File: VU025308.D
 Acq: 11 Jul 2018 12:38

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0711WBS01

Tot Ion: 96 Resp: 35013
 Ion Ratio Lower Upper
 96 100
 61 153.3 0.0 299.8
 98 64.9 0.0 128.6

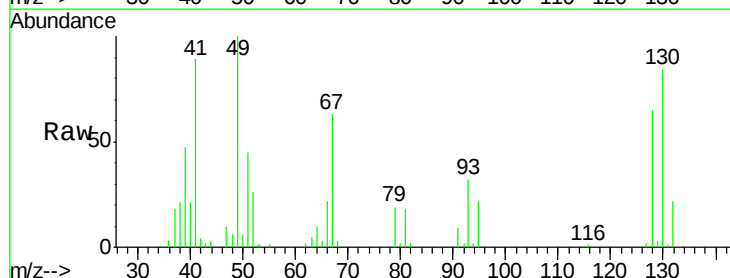


Abundance Ion 95.90 (95.60 to 96.60): VU0
 Ion 60.90 (60.60 to 61.60): VU0
 Ion 97.90 (97.60 to 98.60): VU0

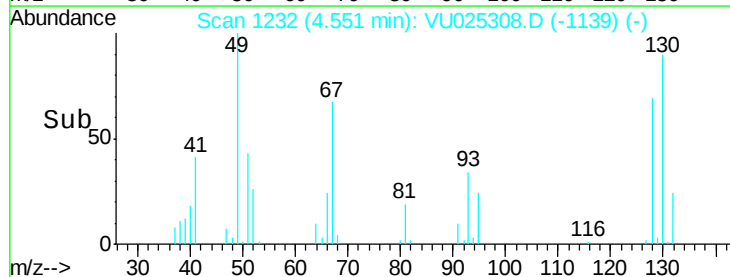
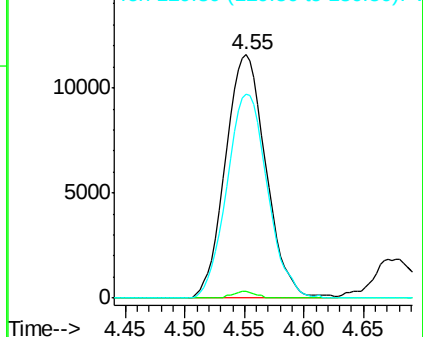


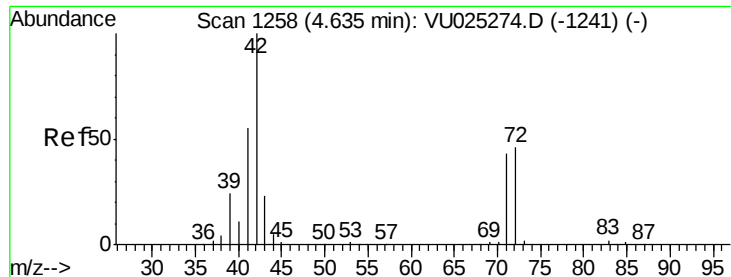
#28
 Bromochloromethane
 Concen: 17.80 ug/l
 RT: 4.55 min Scan# 1232
 Delta R.T. 0.00 min
 Lab File: VU025308.D
 Acq: 11 Jul 2018 12:38

Tgt Ion: 49 Resp: 27382
 Ion Ratio Lower Upper
 49 100
 129 1.6 0.0 4.6
 130 83.9 68.6 102.8



Abundance Ion 48.90 (48.60 to 49.60): VU0
 Ion 128.80 (128.50 to 129.50): V
 Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 84.89 ug/l

RT: 4.63 min Scan# 1258

Delta R.T. 0.00 min

Lab File: VU025308.D

Acq: 11 Jul 2018 12:38

Instrument :

MSVOA_U

ClientSampleId :

VU0711WBS01

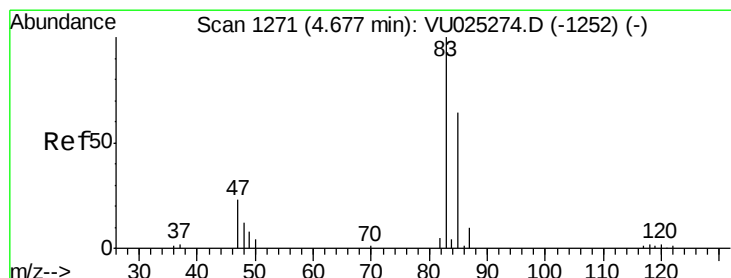
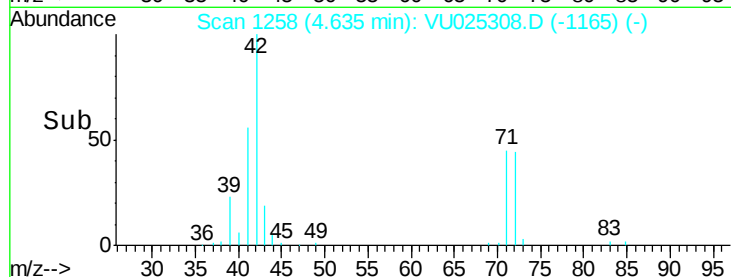
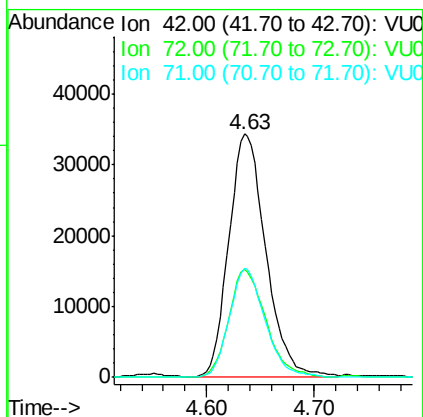
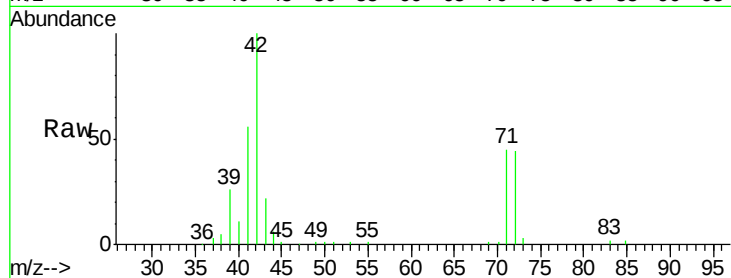
Tot Ion: 42 Resp: 82501

Ion Ratio Lower Upper

42 100

72 44.2 36.7 55.1

71 43.2 33.9 50.9



#30

Chloroform

Concen: 18.44 ug/l

RT: 4.68 min Scan# 1271

Delta R.T. 0.00 min

Lab File: VU025308.D

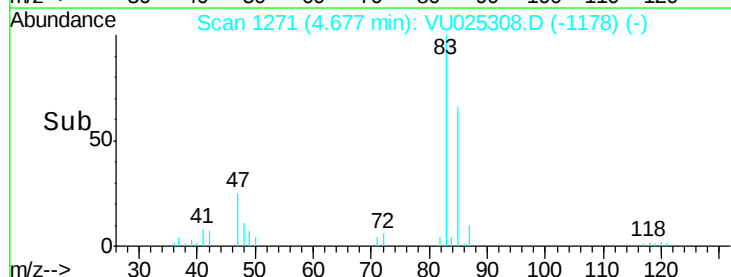
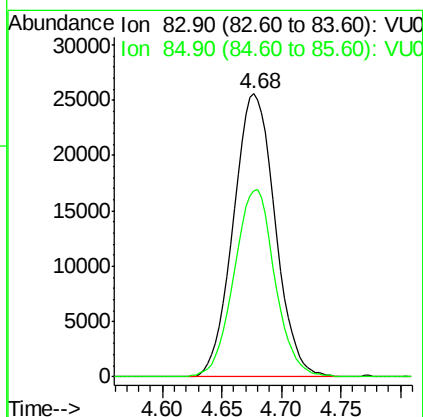
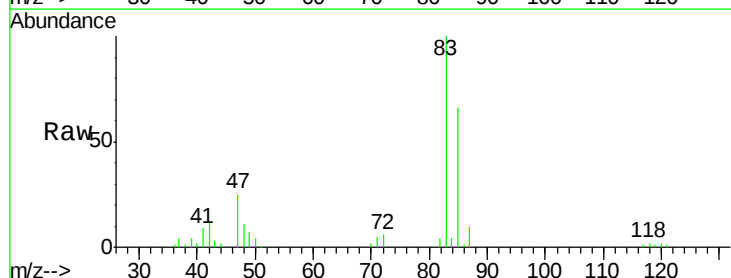
Acq: 11 Jul 2018 12:38

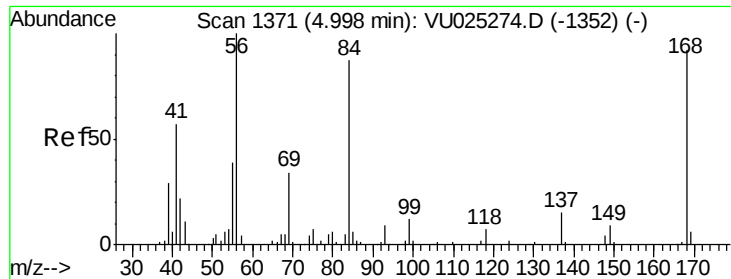
Tgt Ion: 83 Resp: 62229

Ion Ratio Lower Upper

83 100

85 65.9 51.5 77.3

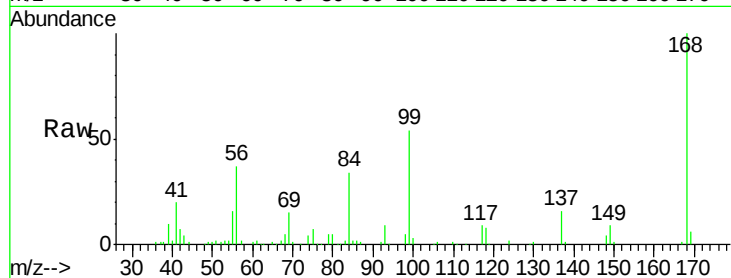




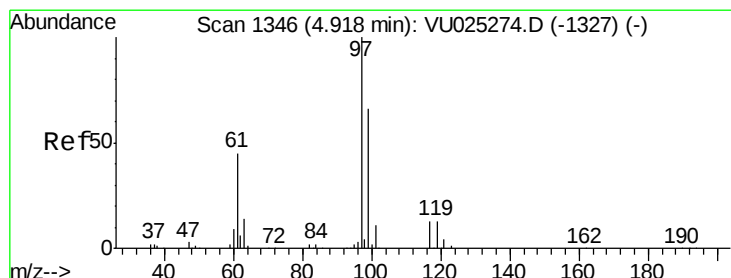
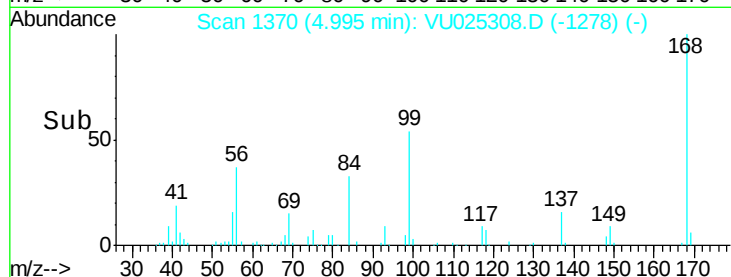
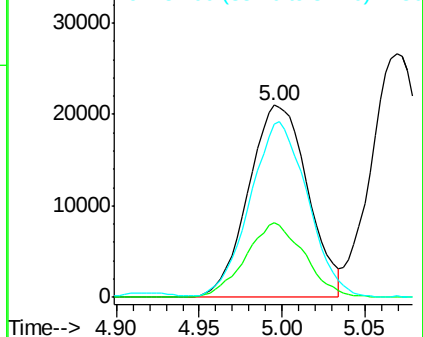
#31
Cyclohexane
Concen: 18.20 ug/l
RT: 5.00 min Scan# 1370
Delta R.T. -0.00 min
Lab File: VU025308.D
Acq: 11 Jul 2018 12:38

Instrument :
MSVOA_U
ClientSampleId :
VU0711WBS01

Tot Ion: 56 Resp: 52317
Ion Ratio Lower Upper
56 100
69 39.1 26.8 40.2
84 89.4 69.7 104.5

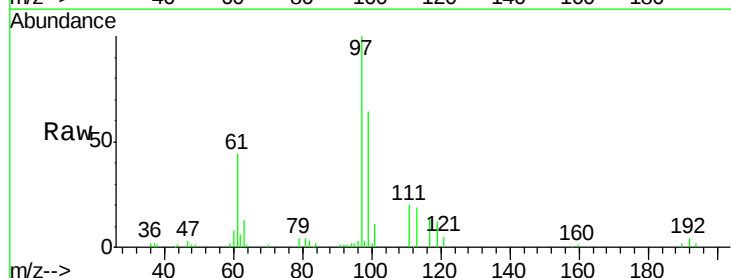


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

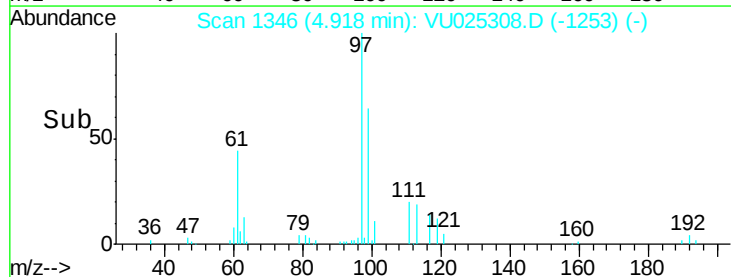
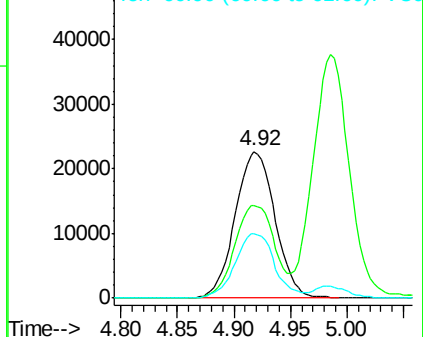


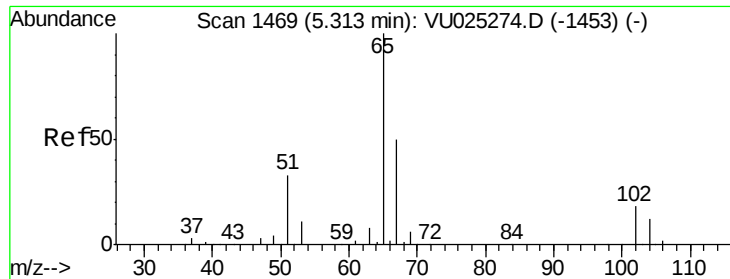
#32
1,1,1-Trichloroethane
Concen: 18.17 ug/l
RT: 4.92 min Scan# 1346
Delta R.T. 0.00 min
Lab File: VU025308.D
Acq: 11 Jul 2018 12:38

Tgt Ion: 97 Resp: 55574
Ion Ratio Lower Upper
97 100
99 63.9 50.8 76.2
61 43.7 35.2 52.8



Abundance Ion 96.90 (96.60 to 97.60): VU0
Ion 98.90 (98.60 to 99.60): VU0
Ion 60.90 (60.60 to 61.60): VU0





#33

1,2-Dichloroethane-d4

Concen: 43.18 ug/l

RT: 5.31 min Scan# 1468

Delta R.T. -0.00 min

Lab File: VU025308.D

Acq: 11 Jul 2018 12:38

Instrument :

MSVOA_U

ClientSampleId :

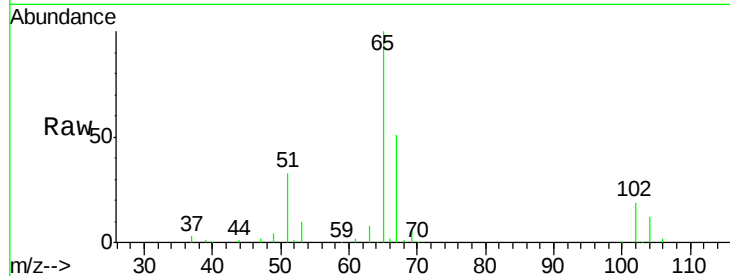
VU0711WBS01

Tot Ion: 65 Resp: 100953

Ion Ratio Lower Upper

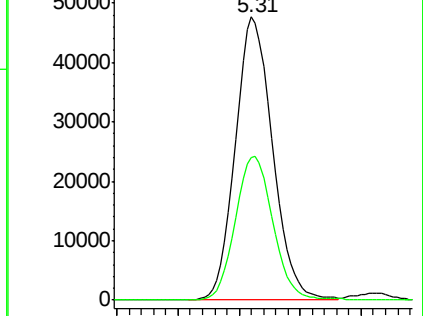
65 100

67 50.9 0.0 103.6

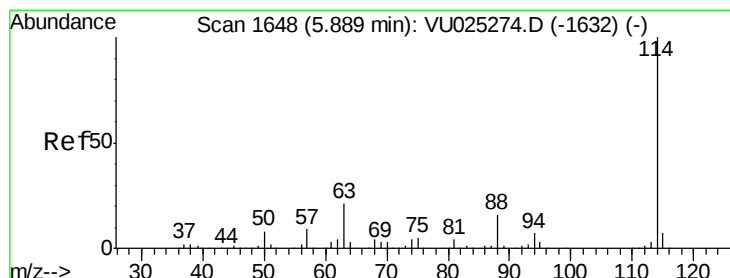
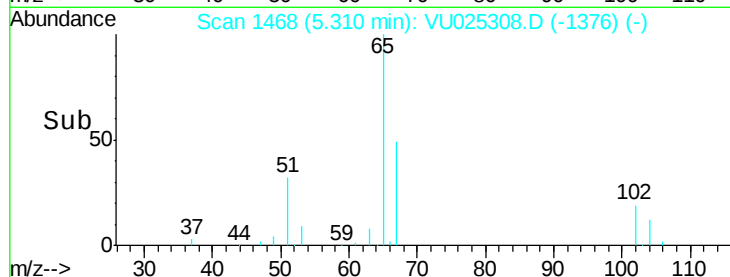


Abundance Ion 64.90 (64.60 to 65.60): VU0

Ion 66.90 (66.60 to 67.60): VU0



Time--> 5.20 5.25 5.30 5.35 5.40



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 5.89 min Scan# 1648

Delta R.T. 0.00 min

Lab File: VU025308.D

Acq: 11 Jul 2018 12:38

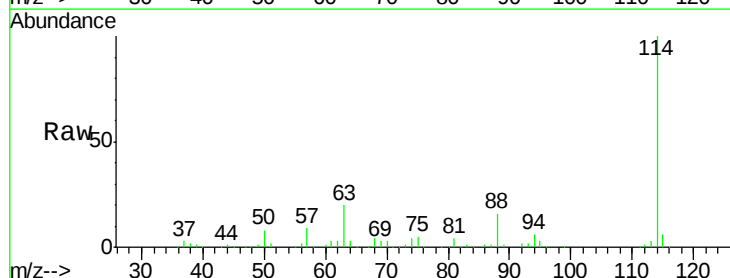
Tgt Ion: 114 Resp: 218440

Ion Ratio Lower Upper

114 100

63 20.3 0.0 41.6

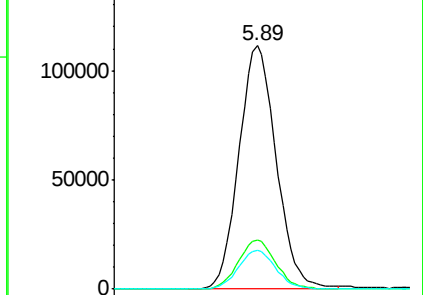
88 16.0 0.0 32.4



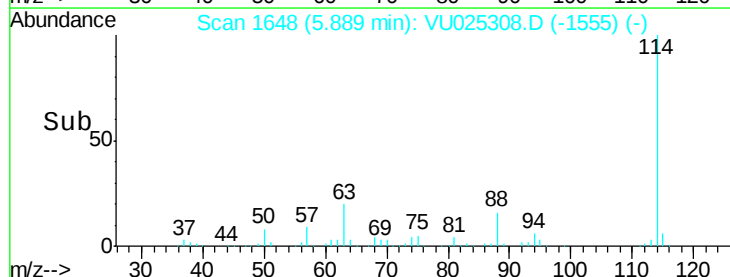
Abundance Ion 113.90 (113.60 to 114.60): V

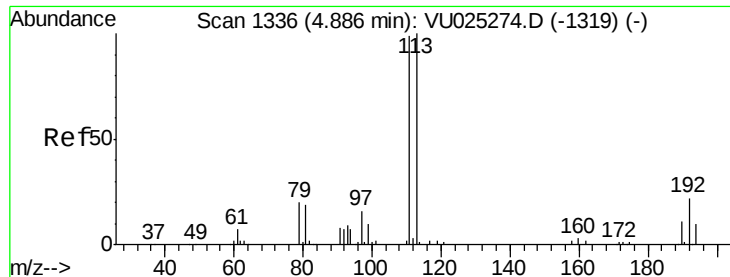
Ion 63.00 (62.70 to 63.70): VU0

Ion 87.90 (87.60 to 88.60): VU0



Time--> 5.80 5.85 5.90 5.95

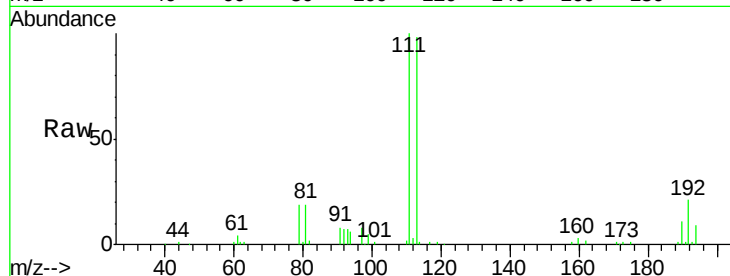




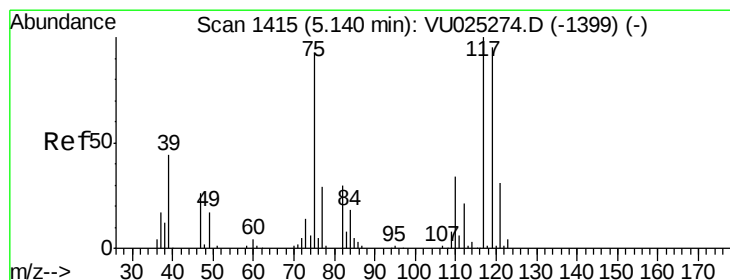
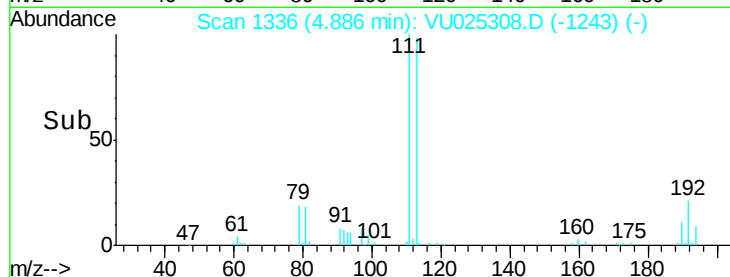
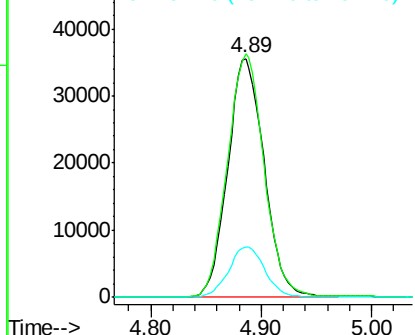
#35
 Dibromofluoromethane
 Concen: 44.30 ug/l
 RT: 4.89 min Scan# 1336
 Delta R.T. 0.00 min
 Lab File: VU025308.D
 Acq: 11 Jul 2018 12:38

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0711WBS01

Tot Ion:113 Resp: 81626
 Ion Ratio Lower Upper
 113 100
 111 102.4 81.7 122.5
 192 21.0 17.1 25.7

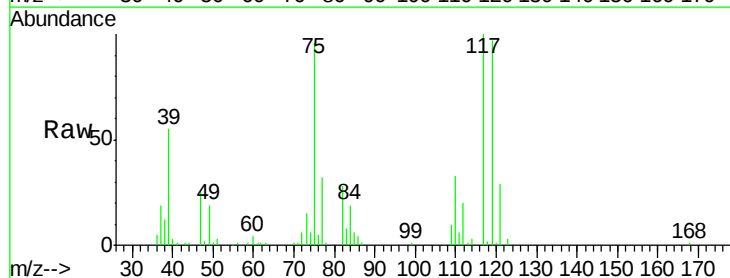


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

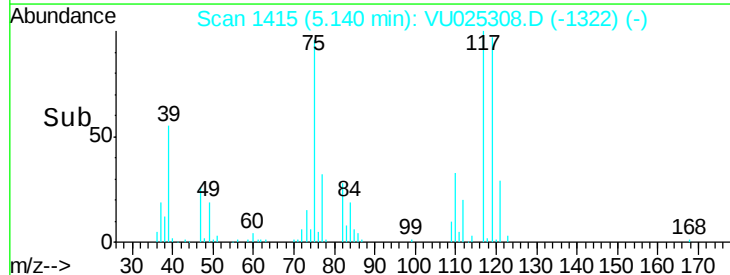
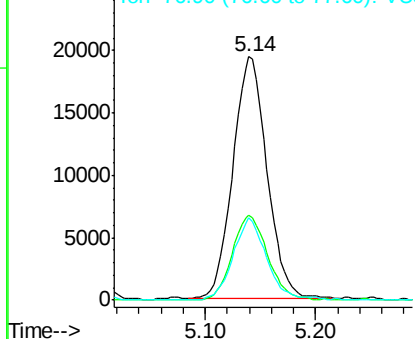


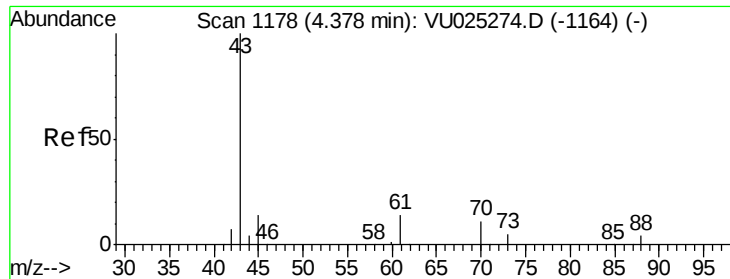
#36
 1,1-Dichloropropene
 Concen: 17.18 ug/l
 RT: 5.14 min Scan# 1415
 Delta R.T. 0.00 min
 Lab File: VU025308.D
 Acq: 11 Jul 2018 12:38

Tgt Ion: 75 Resp: 41723
 Ion Ratio Lower Upper
 75 100
 110 35.9 17.6 52.9
 77 33.1 24.4 36.6



Abundance Ion 74.90 (74.60 to 75.60): VU0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VU0

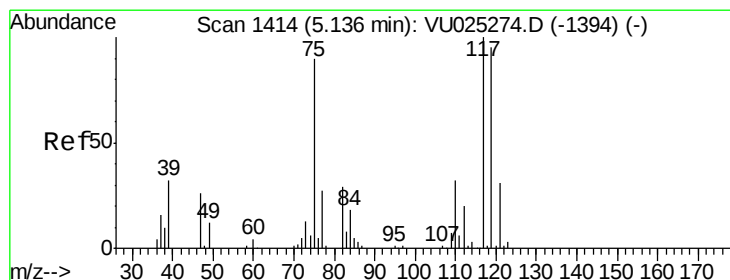
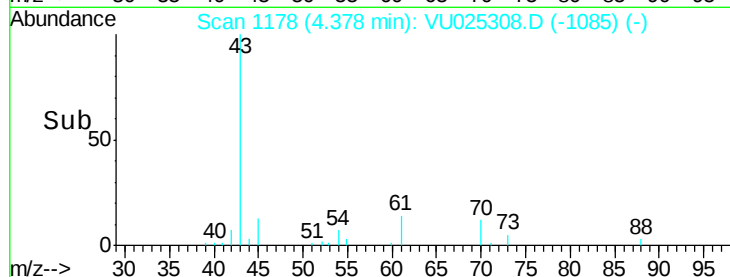
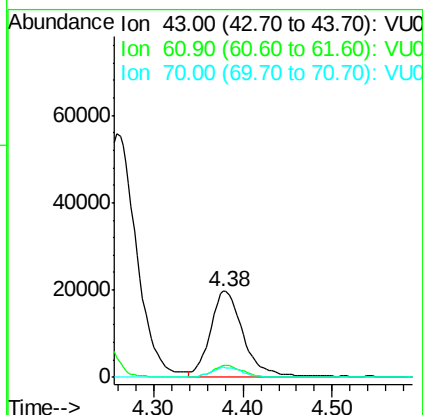
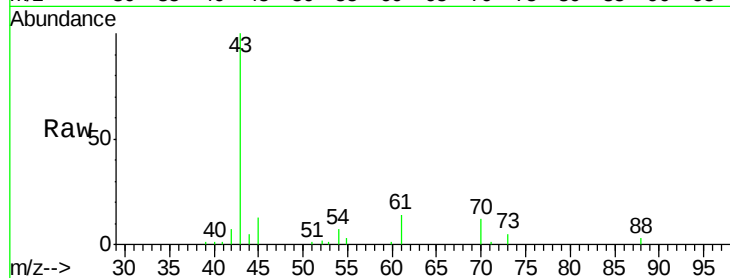




#37
Ethyl Acetate
Concen: 18.21 ug/l
RT: 4.38 min Scan# 1178
Delta R.T. 0.00 min
Lab File: VU025308.D
Acq: 11 Jul 2018 12:38

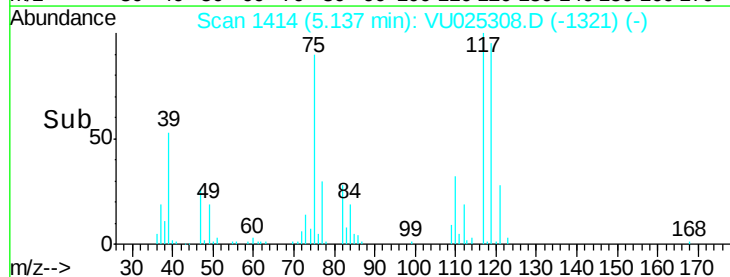
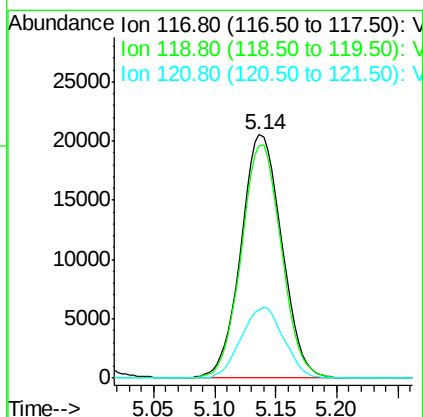
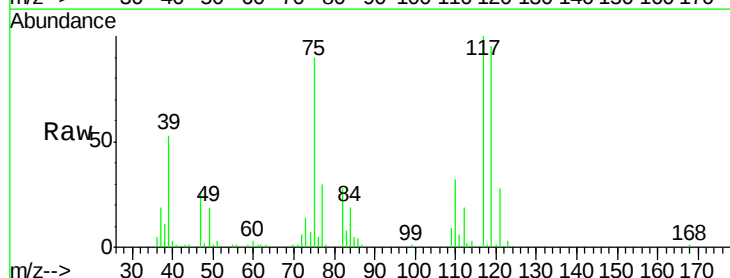
Instrument :
MSVOA_U
ClientSampleId :
VU0711WBS01

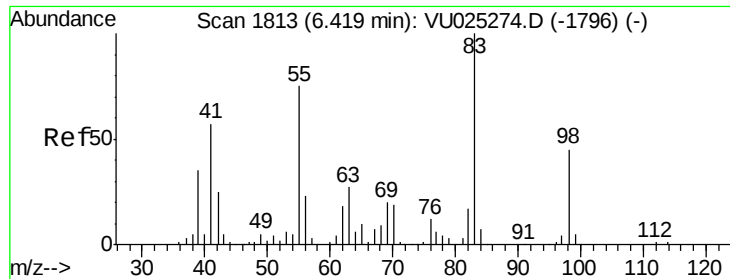
Tot Ion: 43 Resp: 49316
Ion Ratio Lower Upper
43 100
61 13.1 10.7 16.1
70 11.1 8.4 12.6



#38
Carbon Tetrachloride
Concen: 18.20 ug/l
RT: 5.14 min Scan# 1414
Delta R.T. 0.00 min
Lab File: VU025308.D
Acq: 11 Jul 2018 12:38

Tgt Ion: 117 Resp: 47568
Ion Ratio Lower Upper
117 100
119 95.4 75.7 113.5
121 28.1 24.6 36.8

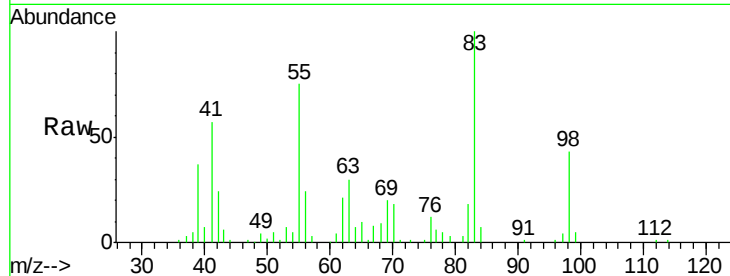




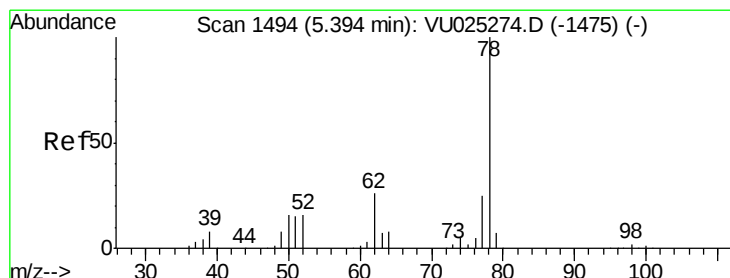
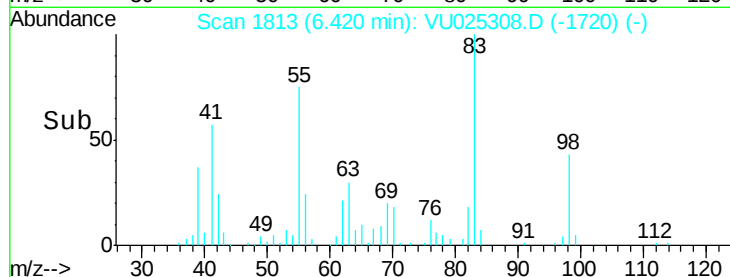
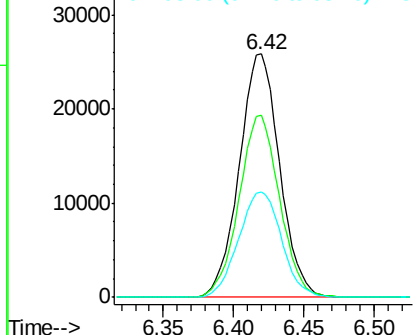
#39
Methvlcvclohexane
Concen: 17.10 ug/l
RT: 6.42 min Scan# 1813
Delta R.T. 0.00 min
Lab File: VU025308.D
Acq: 11 Jul 2018 12:38

Instrument :
MSVOA_U
ClientSampleId :
VU0711WBS01

Tot Ion: 83 Resp: 51801
Ion Ratio Lower Upper
83 100
55 75.0 60.0 90.0
98 43.4 36.1 54.1

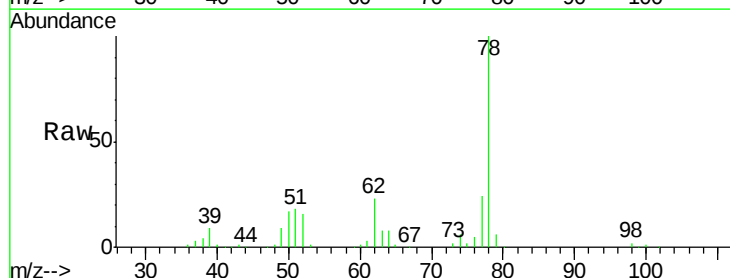


Abundance Ion 83.00 (82.70 to 83.70): VU0
Ion 55.00 (54.70 to 55.70): VU0
Ion 98.00 (97.70 to 98.70): VU0

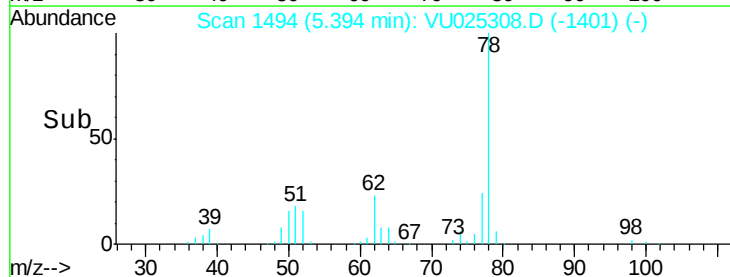
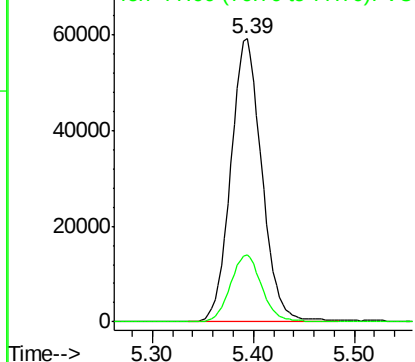


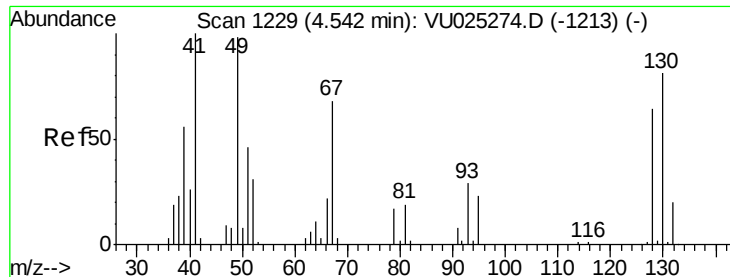
#40
Benzene
Concen: 18.08 ug/l
RT: 5.39 min Scan# 1494
Delta R.T. 0.00 min
Lab File: VU025308.D
Acq: 11 Jul 2018 12:38

Tgt Ion: 78 Resp: 126533
Ion Ratio Lower Upper
78 100
77 23.8 19.8 29.6



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

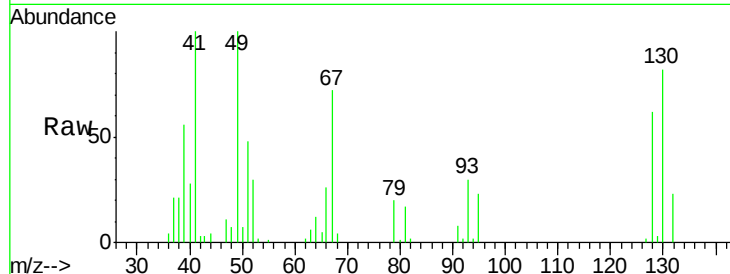




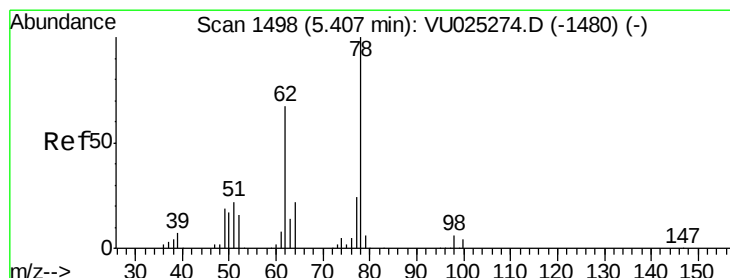
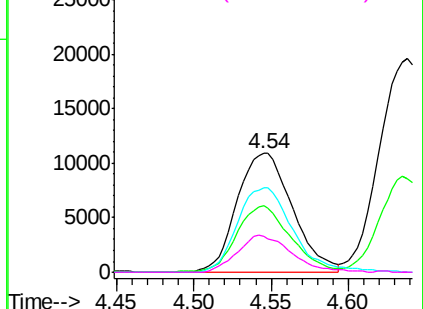
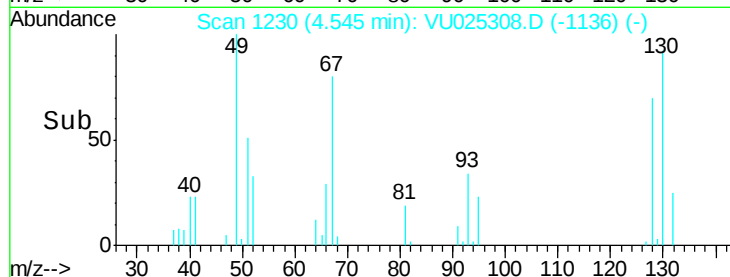
#41
Methacrylonitrile
Concen: 18.04 ug/l
RT: 4.54 min Scan# 1230
Delta R.T. 0.00 min
Lab File: VU025308.D
Acq: 11 Jul 2018 12:38

Instrument :
MSVOA_U
ClientSampleId :
VU0711WBS01

Tot Ion: 41 Resp: 27092
Ion Ratio Lower Upper
41 100
39 55.0 44.4 66.6
67 71.8 56.0 84.0
52 30.2 24.6 36.8

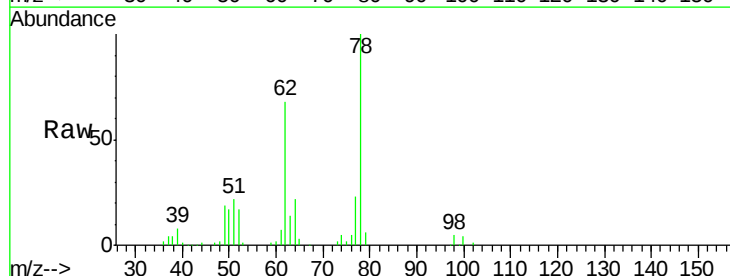


Abundance Ion 41.00 (40.70 to 41.70): VU0
Ion 39.00 (38.70 to 39.70): VU0
Ion 67.00 (66.70 to 67.70): VU0
Ion 52.00 (51.70 to 52.70): VU0

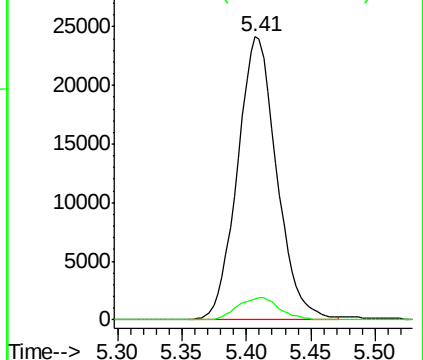
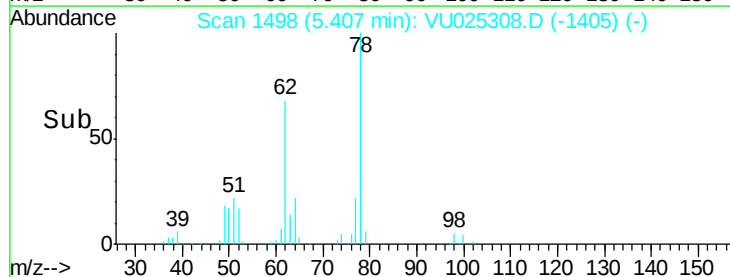


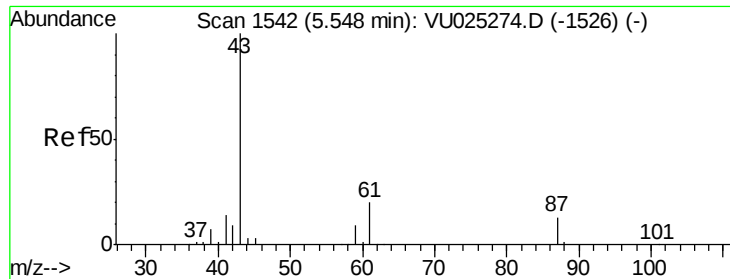
#42
1,2-Dichloroethane
Concen: 18.42 ug/l
RT: 5.41 min Scan# 1498
Delta R.T. 0.00 min
Lab File: VU025308.D
Acq: 11 Jul 2018 12:38

Tgt Ion: 62 Resp: 51230
Ion Ratio Lower Upper
62 100
98 8.3 0.0 16.4



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





#43

Isopropyl Acetate

Concen: 18.18 ug/l

RT: 5.55 min Scan# 1542

Delta R.T. 0.00 min

Lab File: VU025308.D

Acq: 11 Jul 2018 12:38

Instrument :

MSVOA_U

ClientSampleId :

VU0711WBS01

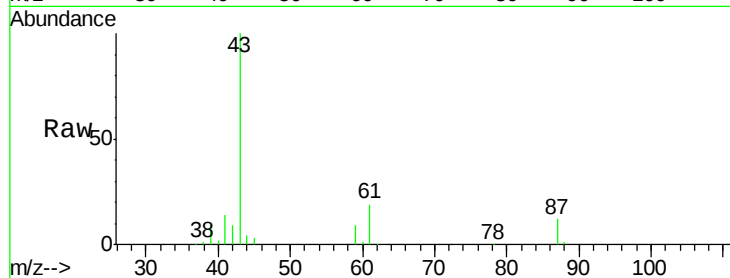
Tot Ion: 43 Resp: 78828

Ion Ratio Lower Upper

43 100

61 19.1 15.5 23.3

87 13.0 10.6 16.0

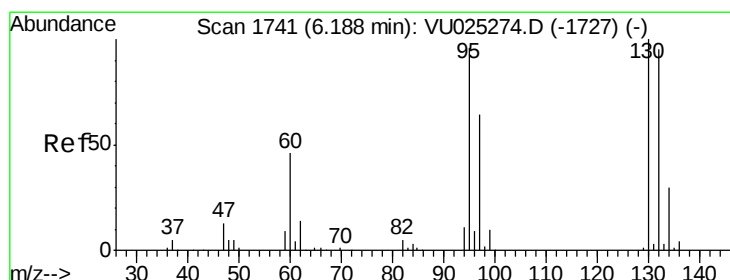
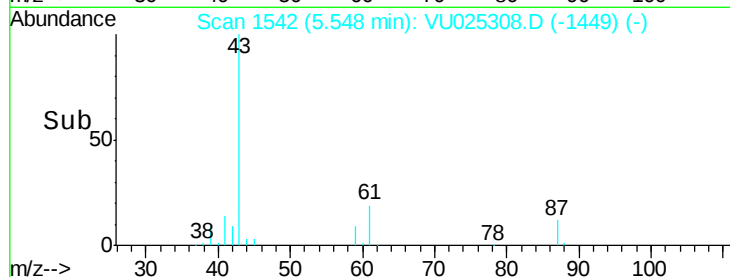


Abundance Ion 43.00 (42.70 to 43.70): VU025274.D (-1526) (-)

Ion 61.00 (60.70 to 61.70): VU025274.D (-1526) (-)

Ion 87.00 (86.70 to 87.70): VU025274.D (-1526) (-)

Time-->



#44

Trichloroethene

Concen: 17.37 ug/l

RT: 6.19 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VU025308.D

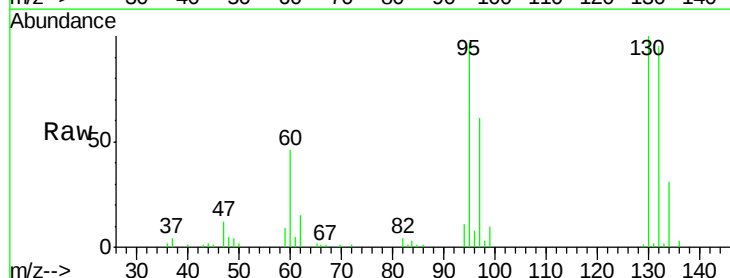
Acq: 11 Jul 2018 12:38

Tgt Ion:130 Resp: 34897

Ion Ratio Lower Upper

130 100

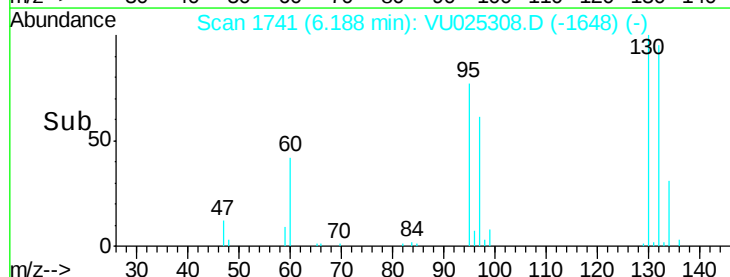
95 96.9 0.0 192.2

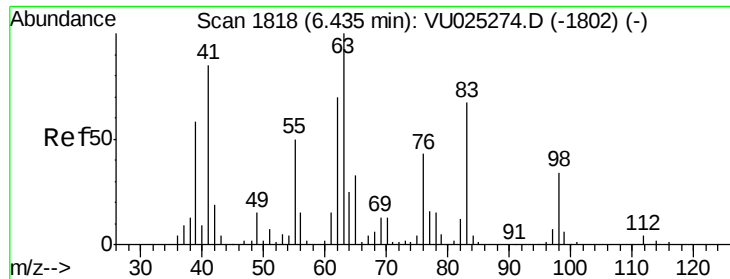


Abundance Ion 129.80 (129.50 to 130.50): VU025274.D (-1727) (-)

Ion 94.90 (94.60 to 95.60): VU025274.D (-1727) (-)

Time-->





#45

1,2-Dichloropropane

Concen: 18.29 ug/l

RT: 6.44 min Scan# 1818

Delta R.T. 0.00 min

Lab File: VU025308.D

Acq: 11 Jul 2018 12:38

Instrument :

MSVOA_U

ClientSampleId :

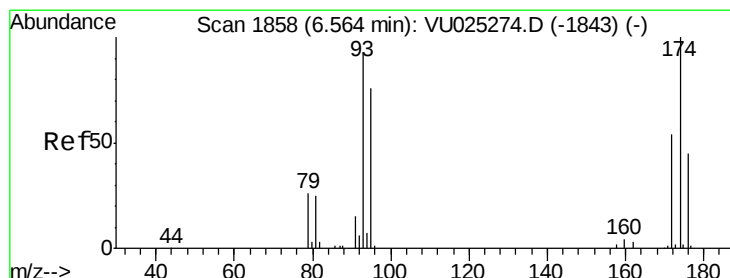
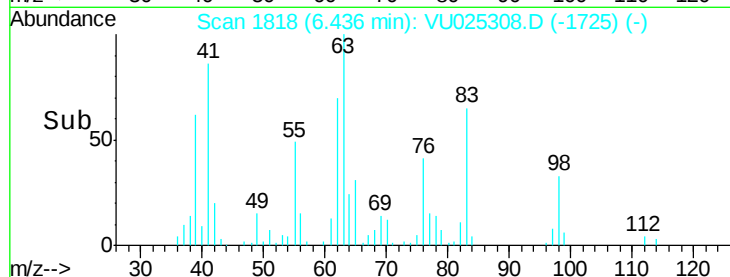
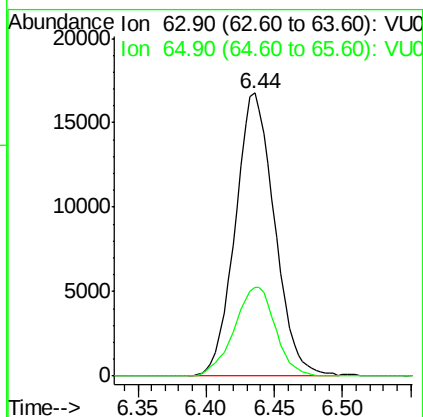
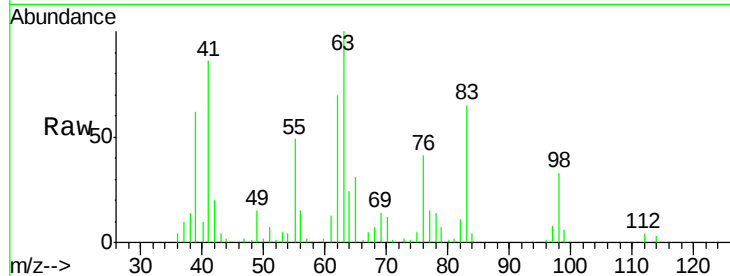
VU0711WBS01

Tot Ion: 63 Resp: 33520

Ion Ratio Lower Upper

63 100

65 31.3 26.1 39.1



#46

Dibromomethane

Concen: 17.95 ug/l

RT: 6.56 min Scan# 1857

Delta R.T. -0.00 min

Lab File: VU025308.D

Acq: 11 Jul 2018 12:38

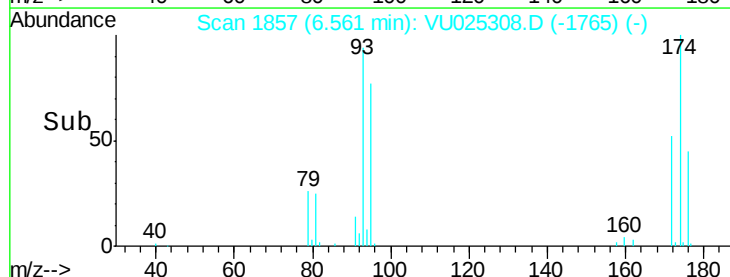
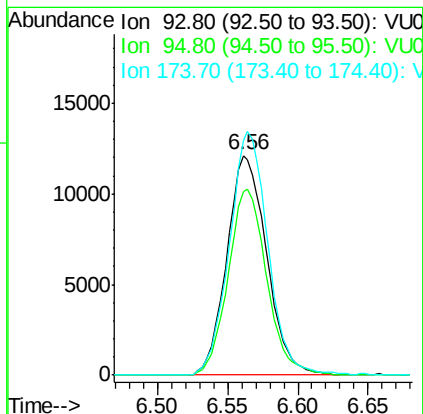
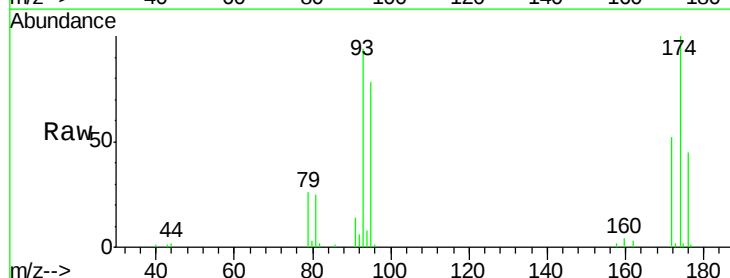
Tgt Ion: 93 Resp: 23943

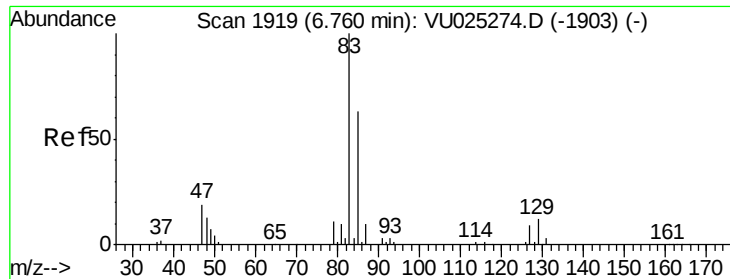
Ion Ratio Lower Upper

93 100

95 82.0 66.6 100.0

174 107.3 85.8 128.8





#47

Bromodichloromethane

Concen: 18.28 ug/l

RT: 6.76 min Scan# 1919

Delta R.T. 0.00 min

Lab File: VU025308.D

Acq: 11 Jul 2018 12:38

Instrument :

MSVOA_U

ClientSampleId :

VU0711WBS01

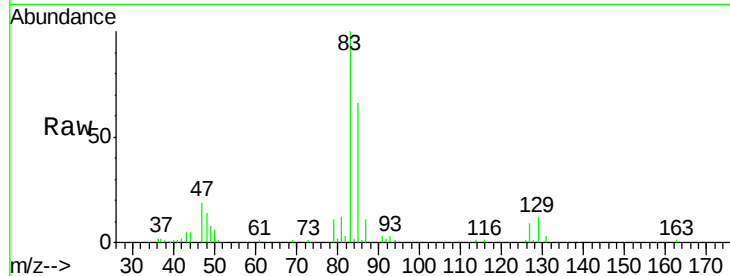
Tot Ion: 83 Resp: 45303

Ion Ratio Lower Upper

83 100

85 65.9 50.2 75.4

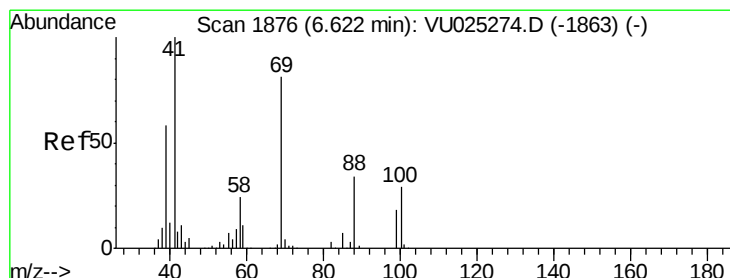
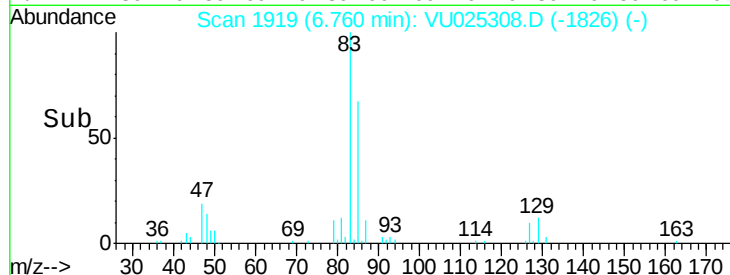
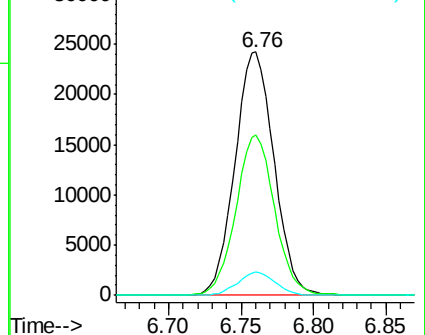
127 9.4 7.2 10.8



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: 18.44 ug/l

RT: 6.62 min Scan# 1876

Delta R.T. 0.00 min

Lab File: VU025308.D

Acq: 11 Jul 2018 12:38

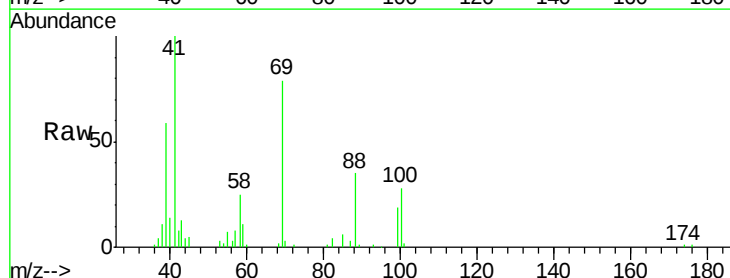
Tgt Ion: 41 Resp: 39879

Ion Ratio Lower Upper

41 100

69 78.4 65.0 97.4

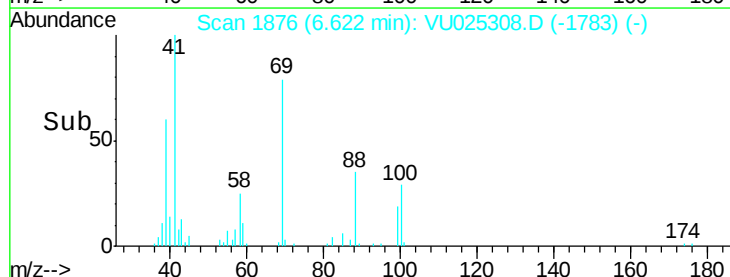
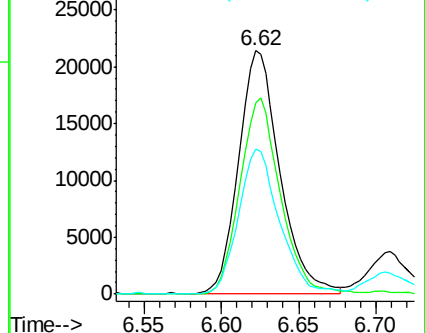
39 59.0 46.4 69.6

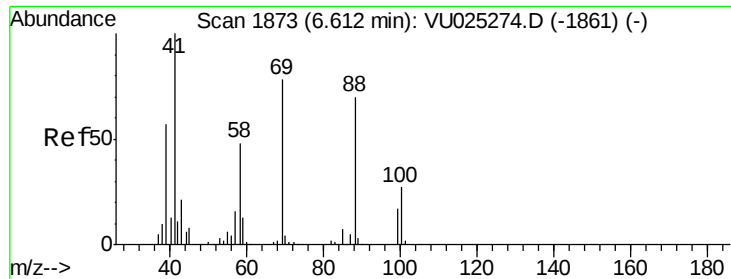


Abundance Ion 41.00 (40.70 to 41.70): VU0

Ion 69.00 (68.70 to 69.70): VU0

Ion 39.00 (38.70 to 39.70): VU0

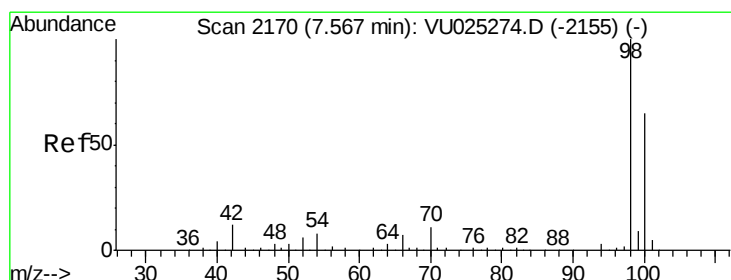
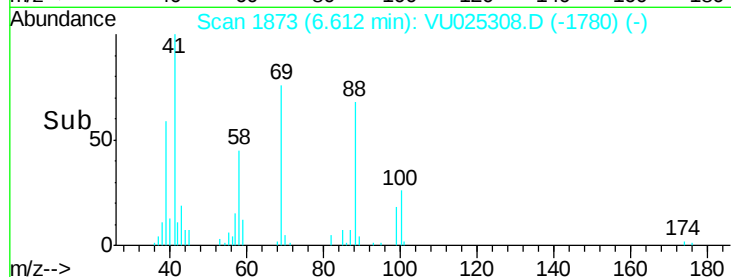
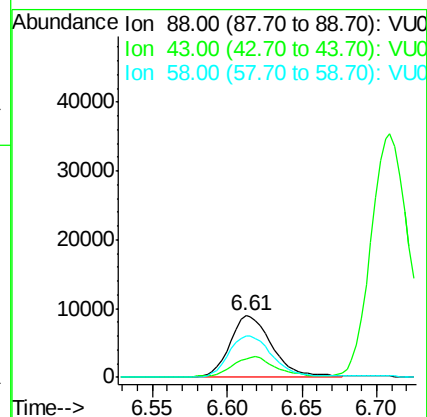
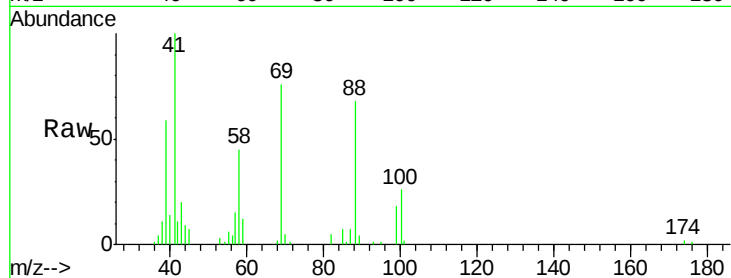




#49
1,4-Dioxane
Concen: 340.14 ug/l
RT: 6.61 min Scan# 1873
Delta R.T. 0.00 min
Lab File: VU025308.D
Acq: 11 Jul 2018 12:38

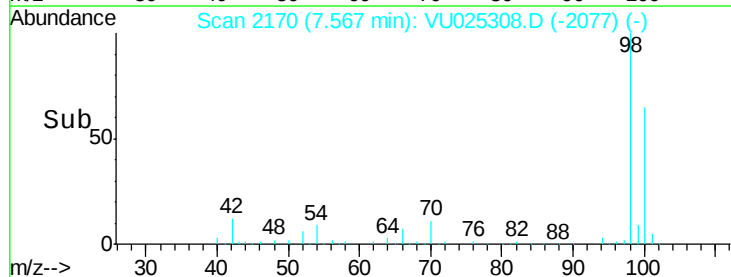
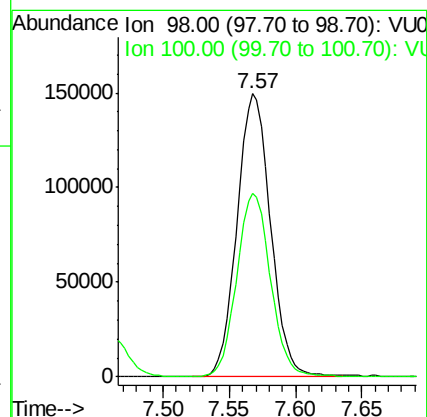
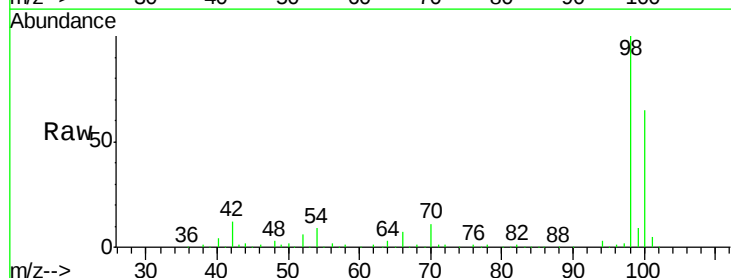
Instrument :
MSVOA_U
ClientSampleId :
VU0711WBS01

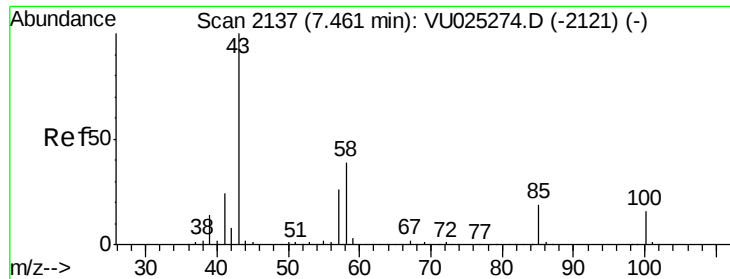
Tot Ion: 88 Resp: 17696
Ion Ratio Lower Upper
88 100
43 35.0 27.3 40.9
58 71.4 57.6 86.4



#50
Toluene-d8
Concen: 41.74 ug/l
RT: 7.57 min Scan# 2170
Delta R.T. 0.00 min
Lab File: VU025308.D
Acq: 11 Jul 2018 12:38

Tgt Ion: 98 Resp: 263381
Ion Ratio Lower Upper
98 100
100 65.3 51.1 76.7





#51

4-Methyl-2-Pentanone

Concen: 88.08 ug/l

RT: 7.46 min Scan# 2137

Delta R.T. 0.00 min

Lab File: VU025308.D

Acq: 11 Jul 2018 12:38

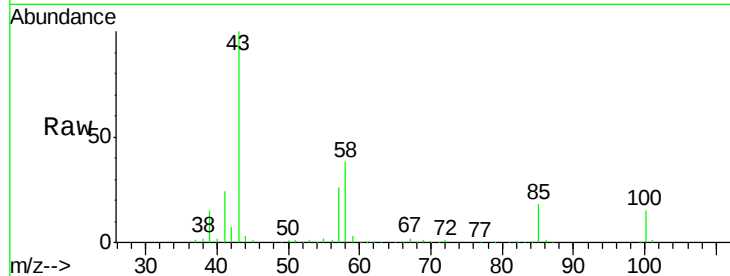
Instrument :
MSVOA_U
ClientSampleId :
VU0711WBS01

Tot Ion: 43 Resp: 248299

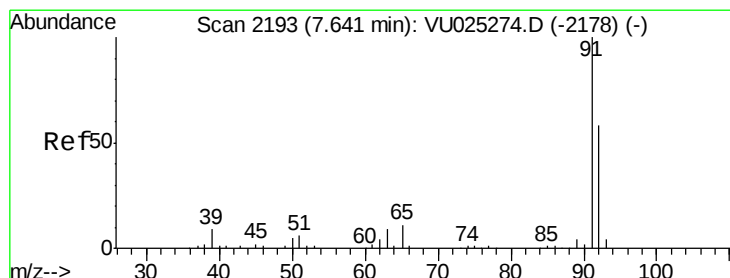
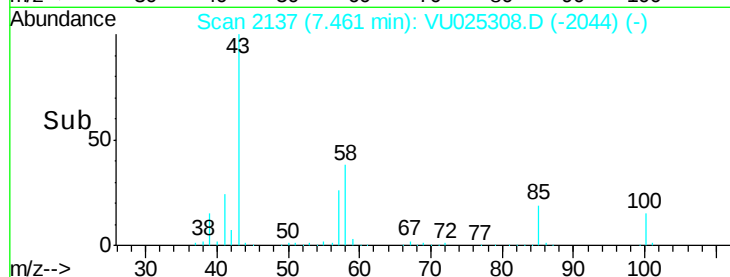
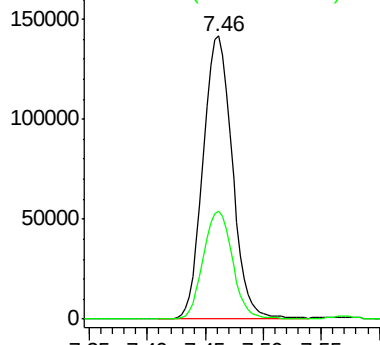
Ion Ratio Lower Upper

43 100

58 38.1 31.0 46.4



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



#52

Toluene

Concen: 17.86 ug/l

RT: 7.64 min Scan# 2192

Delta R.T. -0.00 min

Lab File: VU025308.D

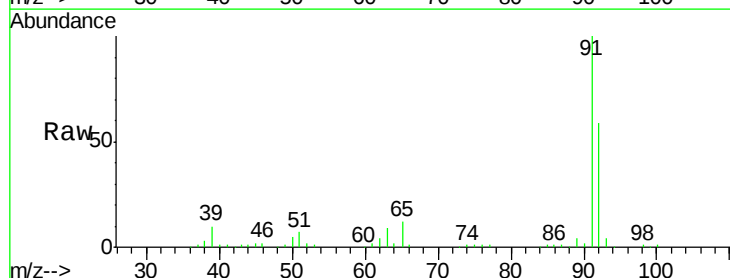
Acq: 11 Jul 2018 12:38

Tgt Ion: 92 Resp: 79509

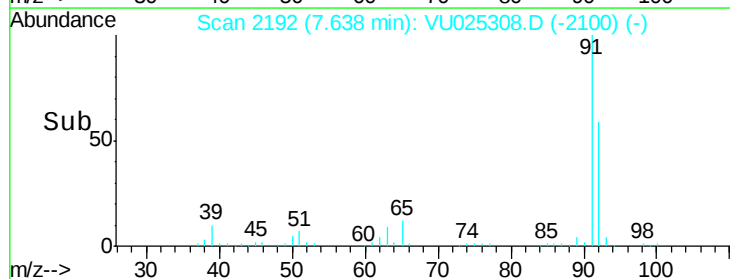
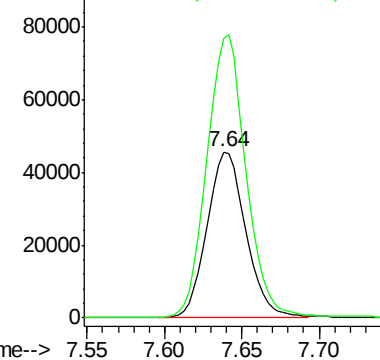
Ion Ratio Lower Upper

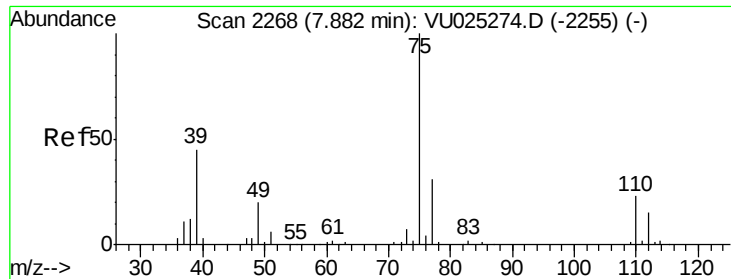
92 100

91 172.2 139.2 208.8



Abundance Ion 92.00 (91.70 to 92.70): VU0
Ion 91.00 (90.70 to 91.70): VU0

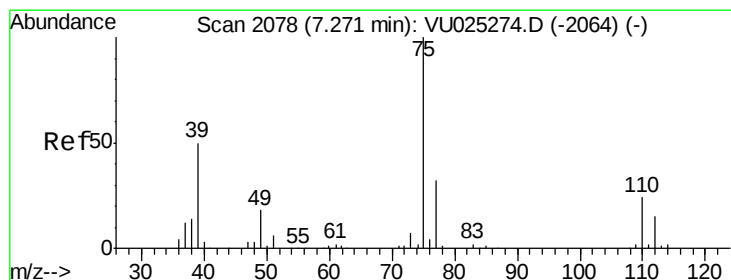
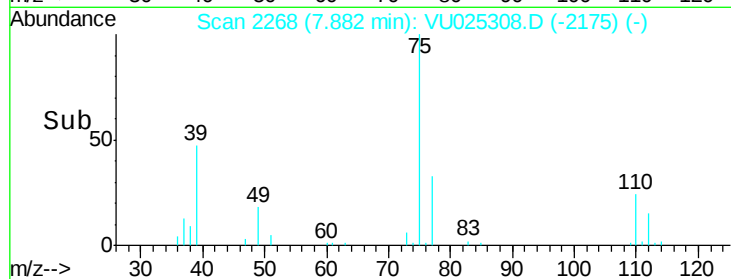
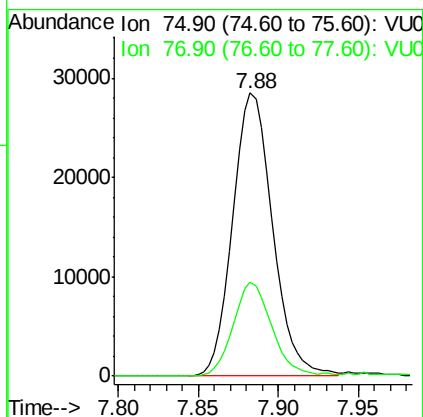
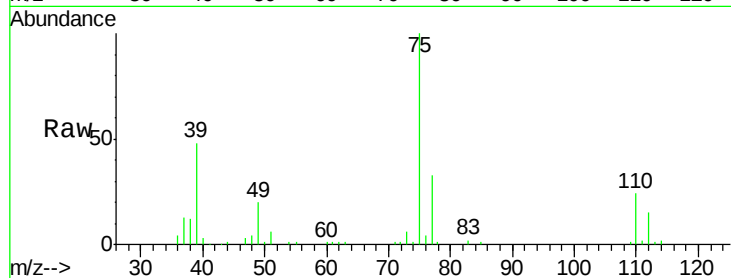




#53
t-1,3-Dichloropropene
Concen: 17.80 ug/l
RT: 7.88 min Scan# 2268
Delta R.T. 0.00 min
Lab File: VU025308.D
Acq: 11 Jul 2018 12:38

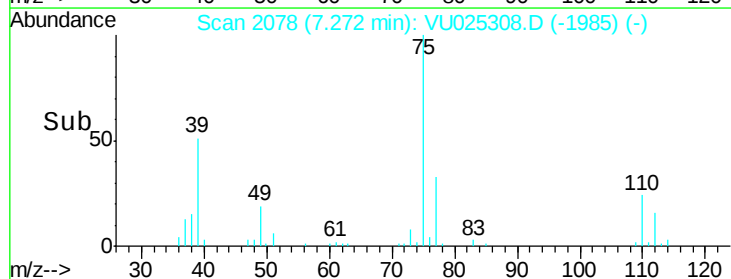
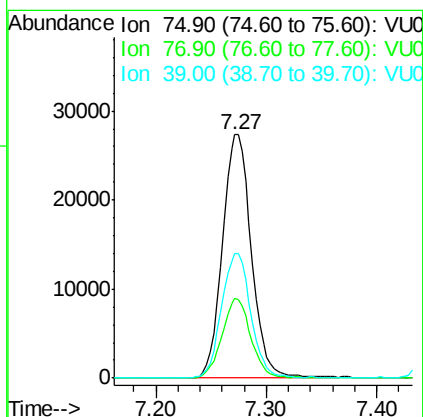
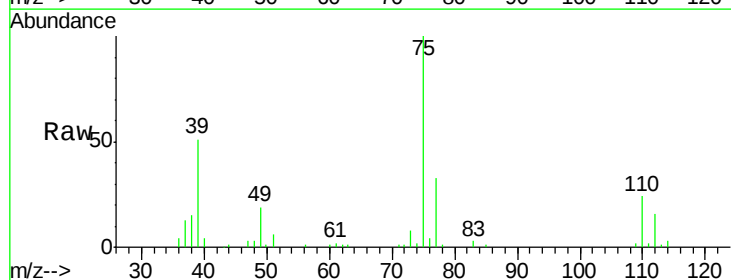
Instrument :
MSVOA_U
ClientSampleId :
VU0711WBS01

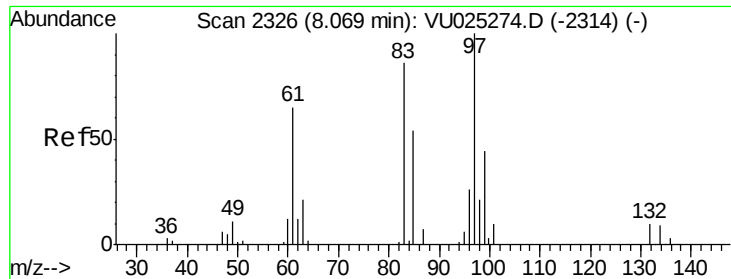
Tot Ion: 75 Resp: 48473
Ion Ratio Lower Upper
75 100
77 33.2 24.5 36.7



#54
cis-1,3-Dichloropropene
Concen: 17.17 ug/l
RT: 7.27 min Scan# 2078
Delta R.T. 0.00 min
Lab File: VU025308.D
Acq: 11 Jul 2018 12:38

Tgt Ion: 75 Resp: 49767
Ion Ratio Lower Upper
75 100
77 32.7 25.6 38.4
39 51.0 40.0 60.0

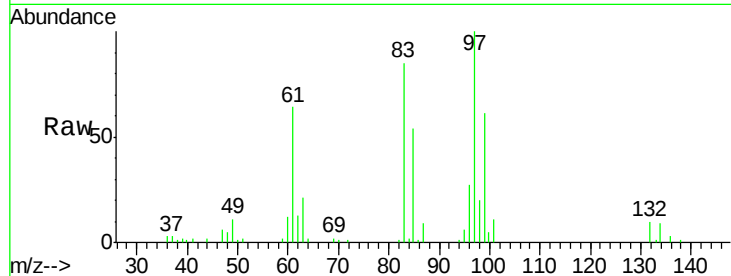




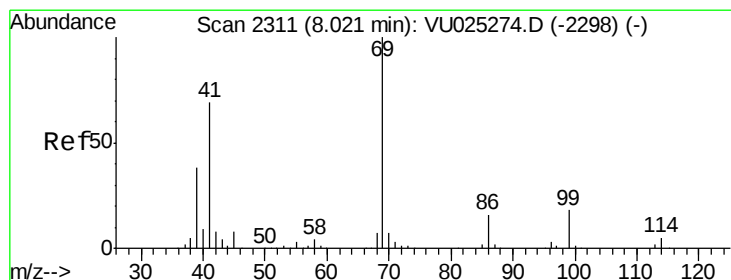
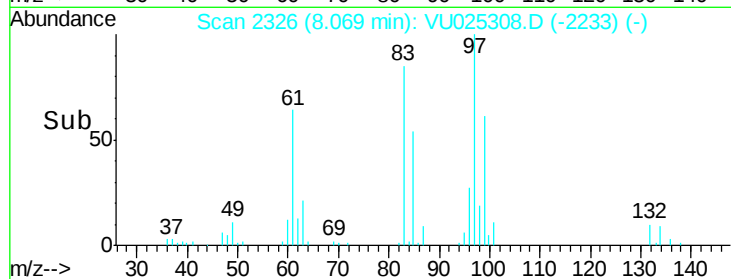
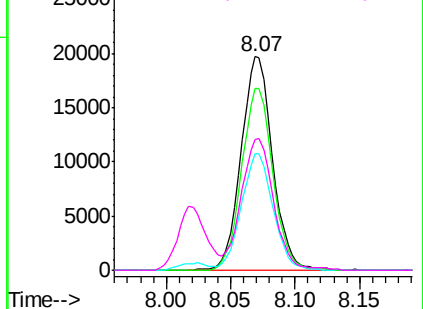
#55
 1,1,2-Trichloroethane
 Concen: 18.07 ug/l
 RT: 8.07 min Scan# 2326
 Delta R.T. 0.00 min
 Lab File: VU025308.D
 Acq: 11 Jul 2018 12:38

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0711WBS01

Tot Ion:	97	Resp:	33509
Ion	Ratio	Lower	Upper
97	100		
83	85.2	68.9	103.3
85	53.9	44.4	66.6
99	60.5	51.0	76.4

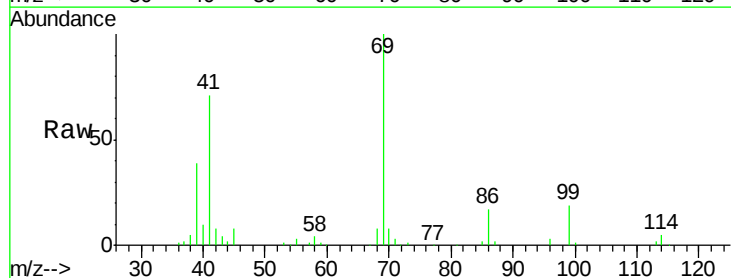


Abundance Ion 96.90 (96.60 to 97.60): VU0
 Ion 82.90 (82.60 to 83.60): VU0
 Ion 84.90 (84.60 to 85.60): VU0
 Ion 98.90 (98.60 to 99.60): VU0

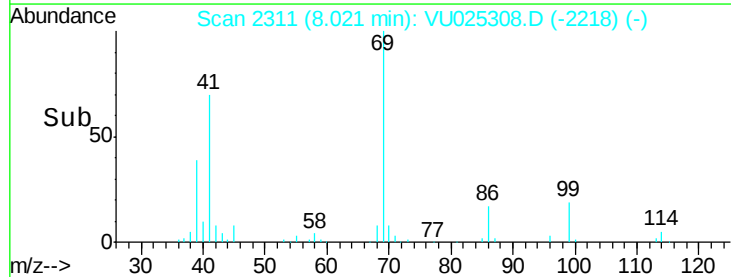
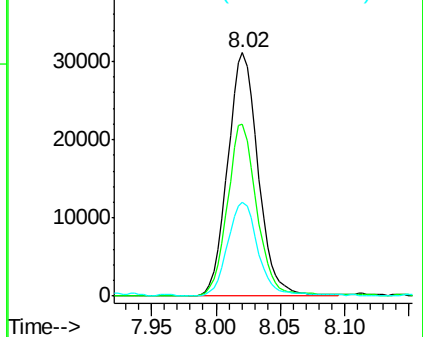


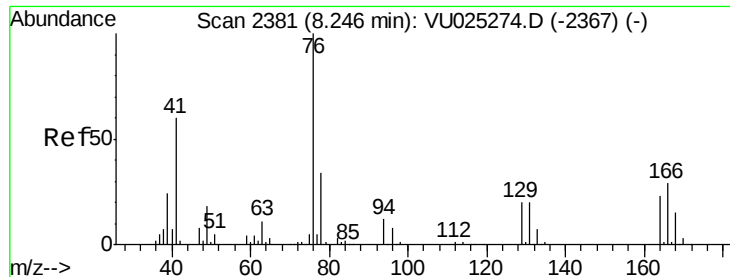
#56
 Ethyl methacrylate
 Concen: 17.66 ug/l
 RT: 8.02 min Scan# 2311
 Delta R.T. 0.00 min
 Lab File: VU025308.D
 Acq: 11 Jul 2018 12:38

Tgt Ion:	69	Resp:	51148
Ion	Ratio	Lower	Upper
69	100		
41	68.3	54.8	82.2
39	38.4	31.1	46.7



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





#57

1,3-Dichloropropane

Concen: 18.43 ug/l

RT: 8.25 min Scan# 2381

Delta R.T. 0.00 min

Lab File: VU025308.D

Acq: 11 Jul 2018 12:38

Instrument :

MSVOA_U

ClientSampleId :

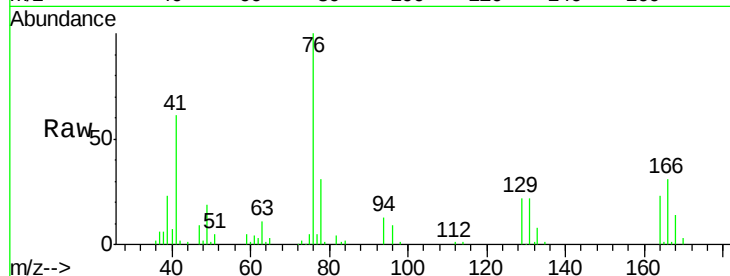
VU0711WBS01

Tot Ion: 76 Resp: 56749

Ion Ratio Lower Upper

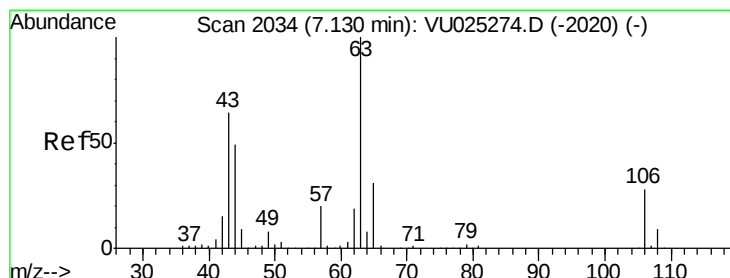
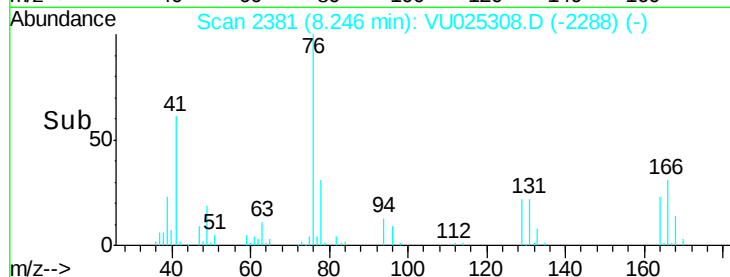
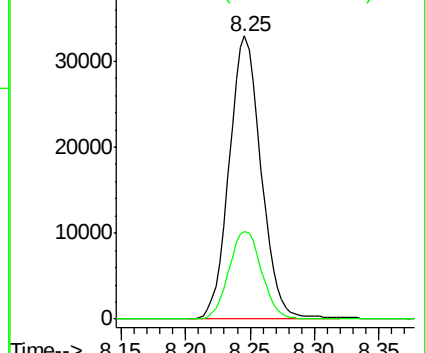
76 100

78 31.6 26.1 39.1



Abundance Ion 75.90 (75.60 to 76.60): VU0

Ion 77.90 (77.60 to 78.60): VU0



#58

2-Chloroethyl Vinyl ether

Concen: 72.26 ug/l

RT: 7.13 min Scan# 2034

Delta R.T. 0.00 min

Lab File: VU025308.D

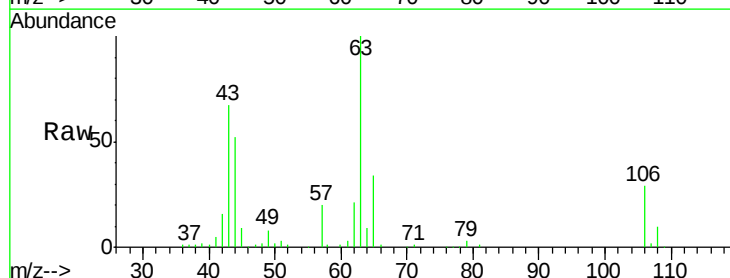
Acq: 11 Jul 2018 12:38

Tgt Ion: 63 Resp: 91737

Ion Ratio Lower Upper

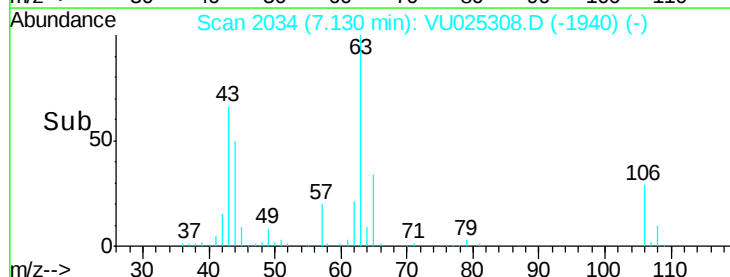
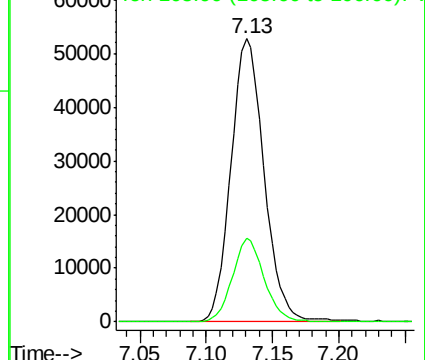
63 100

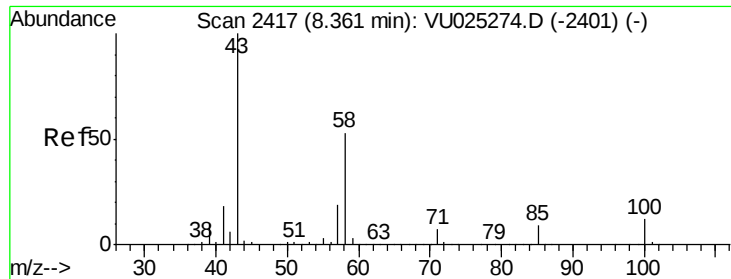
106 28.0 22.3 33.5



Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 105.90 (105.60 to 106.60): V

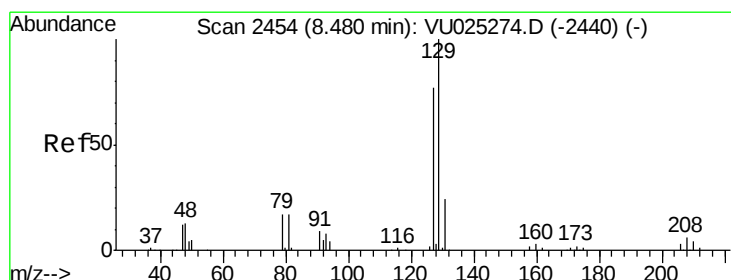
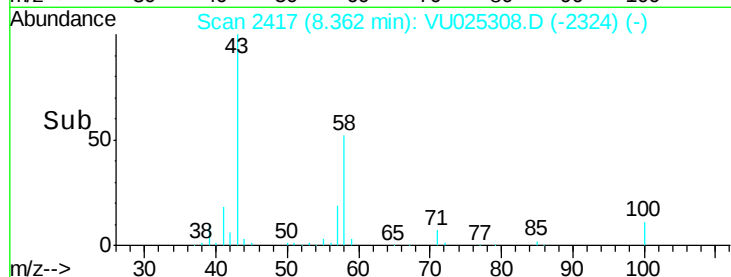
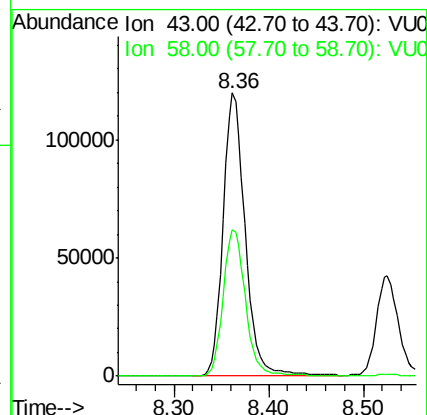
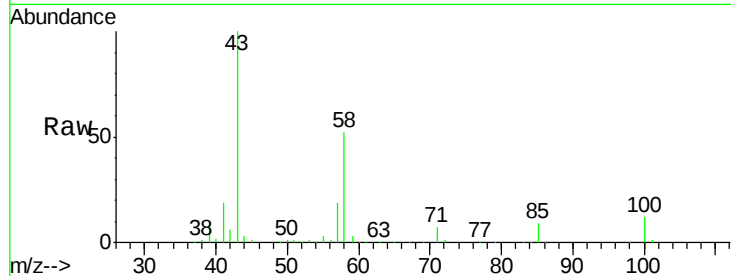




#59
2-Hexanone
Concen: 85.43 ug/l
RT: 8.36 min Scan# 2417
Delta R.T. 0.00 min
Lab File: VU025308.D
Acq: 11 Jul 2018 12:38

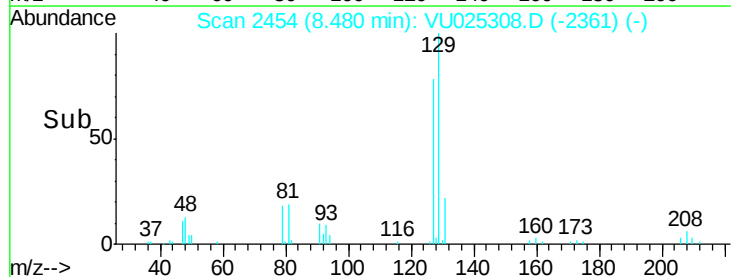
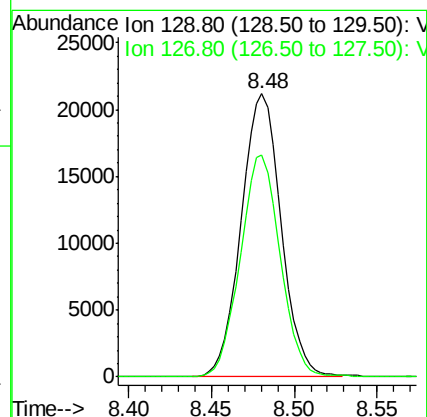
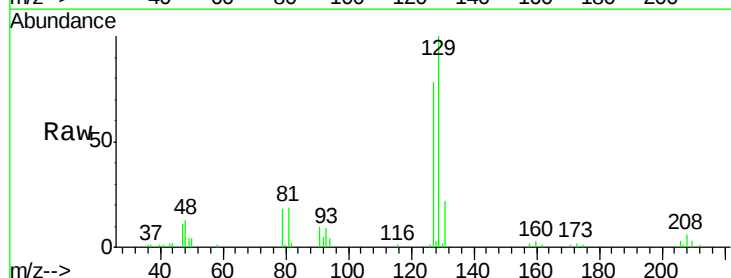
Instrument :
MSVOA_U
ClientSampleId :
VU0711WBS01

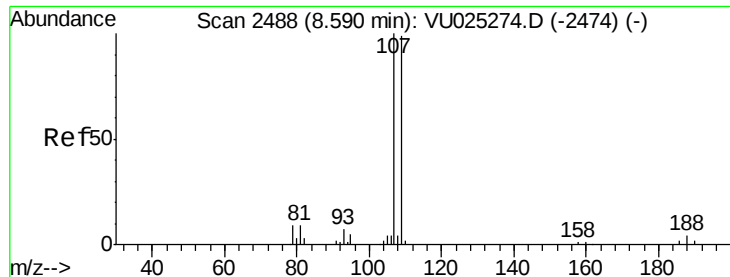
Tot Ion: 43 Resp: 195345
Ion Ratio Lower Upper
43 100
58 52.3 26.2 78.5



#60
Dibromochloromethane
Concen: 17.71 ug/l
RT: 8.48 min Scan# 2454
Delta R.T. 0.00 min
Lab File: VU025308.D
Acq: 11 Jul 2018 12:38

Tgt Ion: 129 Resp: 35473
Ion Ratio Lower Upper
129 100
127 78.3 38.6 115.8





#61

1,2-Dibromoethane

Concen: 17.99 ug/l

RT: 8.59 min Scan# 2488

Delta R.T. 0.00 min

Lab File: VU025308.D

Acq: 11 Jul 2018 12:38

Instrument :

MSVOA_U

ClientSampleId :

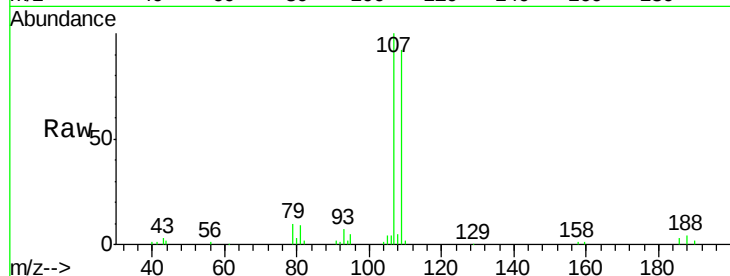
VU0711WBS01

Tot Ion:107 Resp: 35702

Ion Ratio Lower Upper

107 100

109 93.4 75.8 113.8



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

8.59

25000

20000

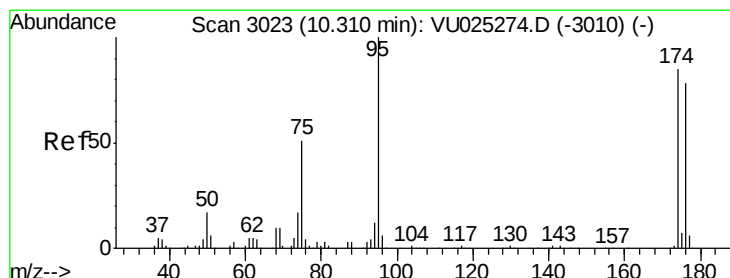
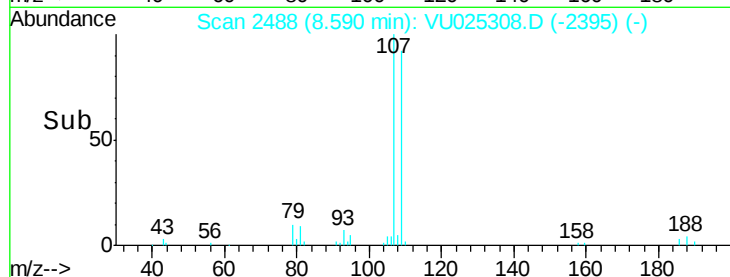
15000

10000

5000

0

Time--> 8.50 8.55 8.60 8.65



#62

4-Bromofluorobenzene

Concen: 42.13 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. 0.00 min

Lab File: VU025308.D

Acq: 11 Jul 2018 12:38

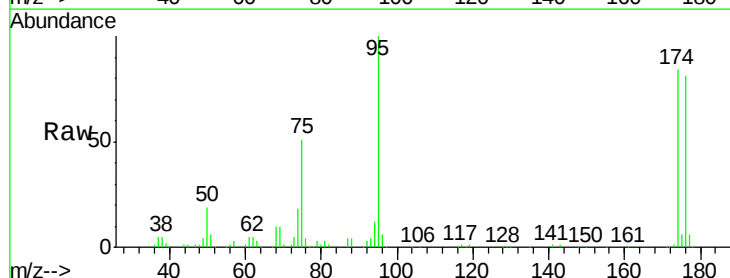
Tgt Ion: 95 Resp: 107037

Ion Ratio Lower Upper

95 100

174 83.7 0.0 172.2

176 80.5 0.0 162.6



Abundance Ion 94.90 (94.60 to 95.60): VU0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

10.31

80000

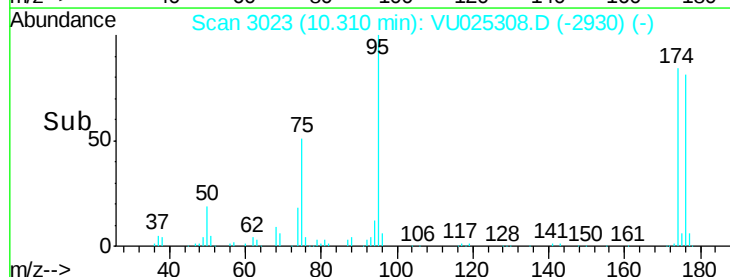
60000

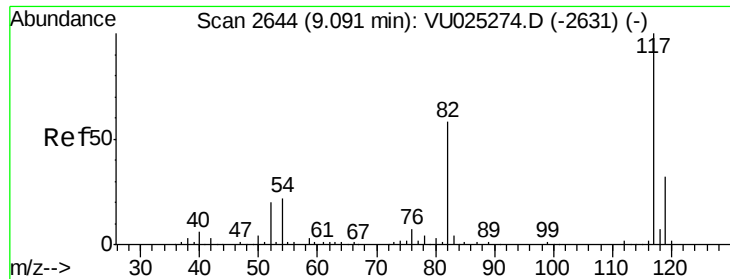
40000

20000

0

Time--> 10.30 10.40

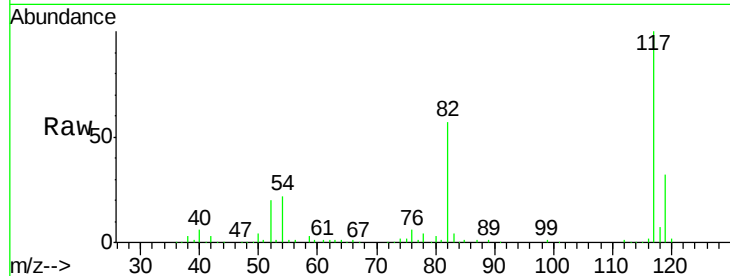




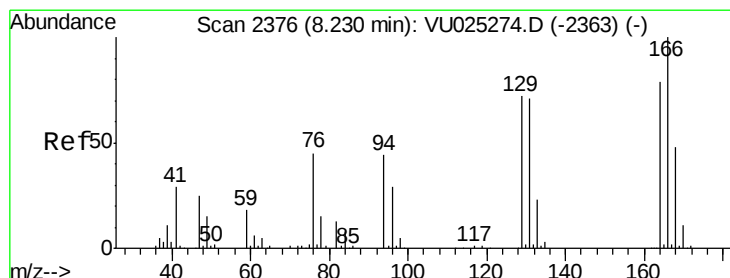
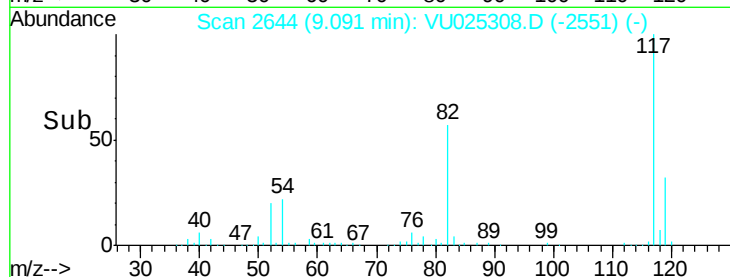
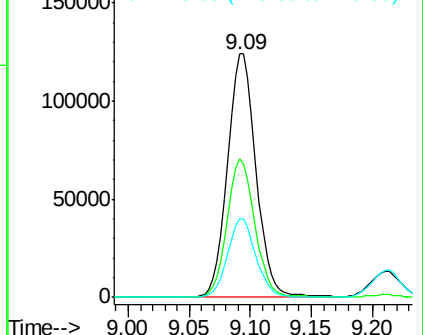
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.09 min Scan# 2644
Delta R.T. 0.00 min
Lab File: VU025308.D
Acq: 11 Jul 2018 12:38

Instrument :
MSVOA_U
ClientSampleId :
VU0711WBS01

Tot Ion:117 Resp: 203730
Ion Ratio Lower Upper
117 100
82 56.9 46.0 69.0
119 32.5 26.0 39.0



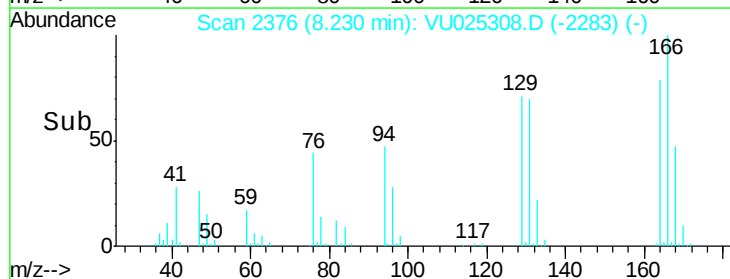
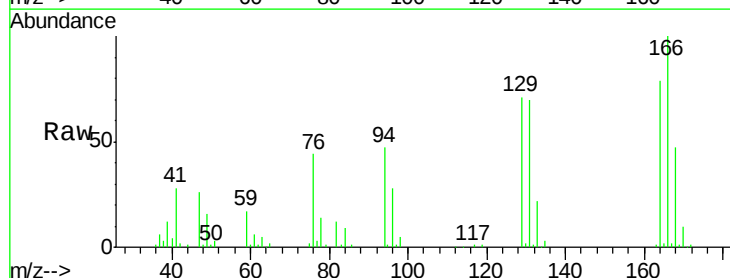
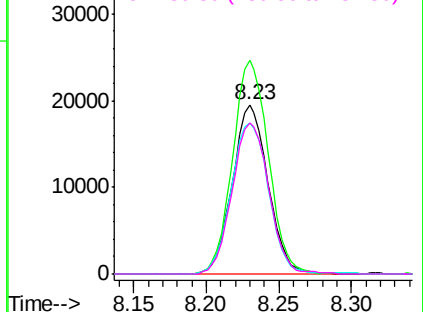
Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

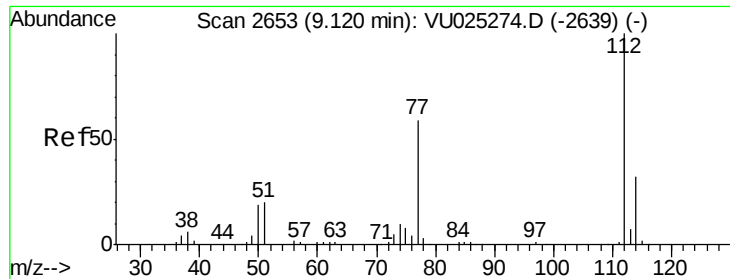


#64
Tetrachloroethene
Concen: 17.97 ug/l
RT: 8.23 min Scan# 2376
Delta R.T. 0.00 min
Lab File: VU025308.D
Acq: 11 Jul 2018 12:38

Tgt Ion:164 Resp: 33364
Ion Ratio Lower Upper
164 100
166 126.3 101.1 151.7
129 89.1 73.0 109.6
131 89.0 72.1 108.1

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





#65

Chlorobenzene

Concen: 17.95 ug/l

RT: 9.12 min Scan# 2654

Delta R.T. 0.00 min

Lab File: VU025308.D

Acq: 11 Jul 2018 12:38

Instrument :

MSVOA_U

ClientSampleId :

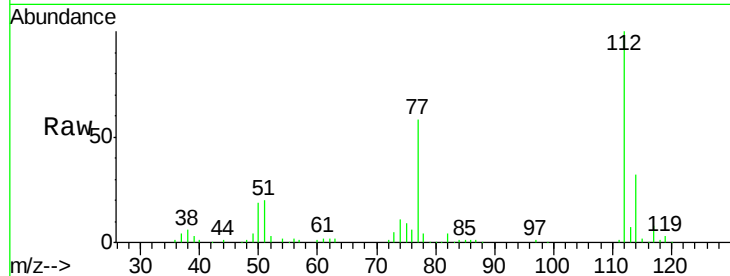
VU0711WBS01

Tot Ion:112 Resp: 91354

Ion Ratio Lower Upper

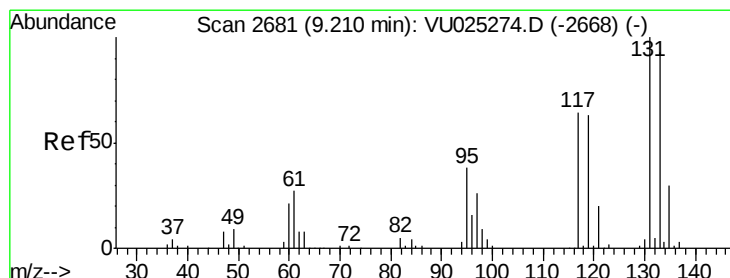
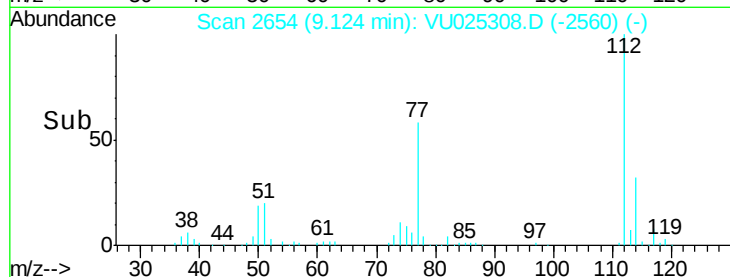
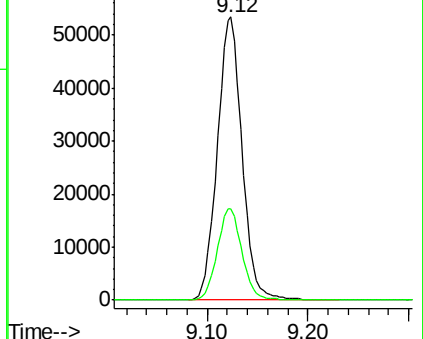
112 100

114 32.3 25.8 38.8



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 18.52 ug/l

RT: 9.21 min Scan# 2681

Delta R.T. 0.00 min

Lab File: VU025308.D

Acq: 11 Jul 2018 12:38

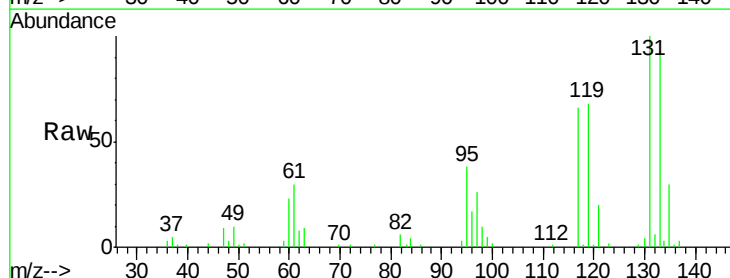
Tgt Ion:131 Resp: 33722

Ion Ratio Lower Upper

131 100

133 94.8 47.8 143.3

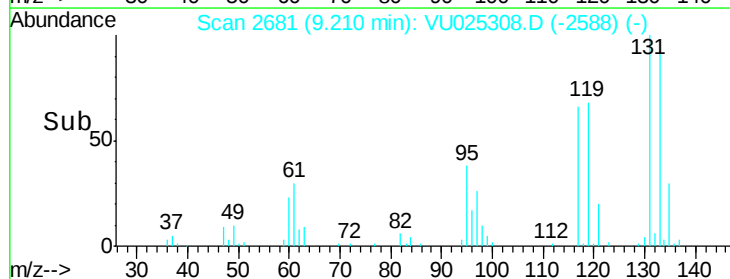
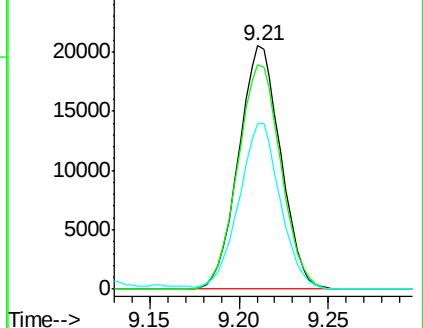
119 67.1 31.6 95.0

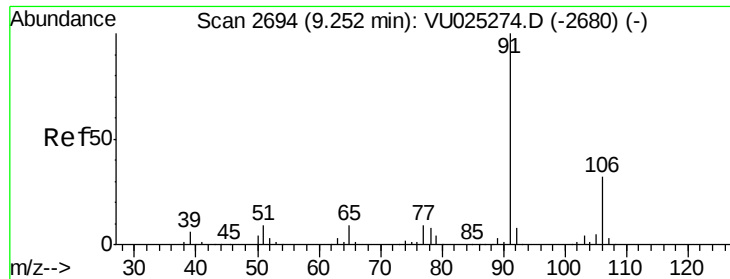


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

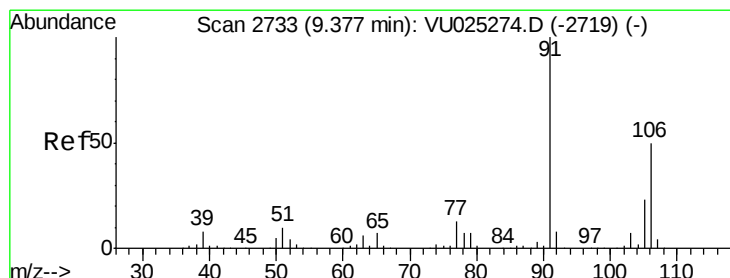
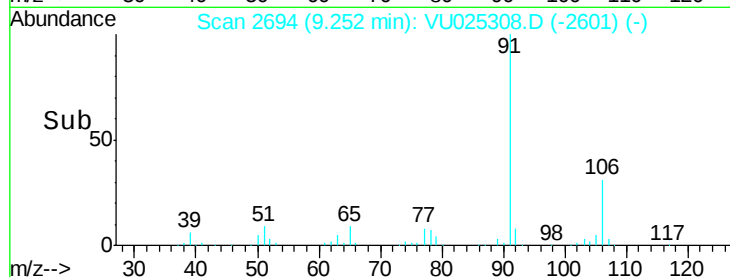
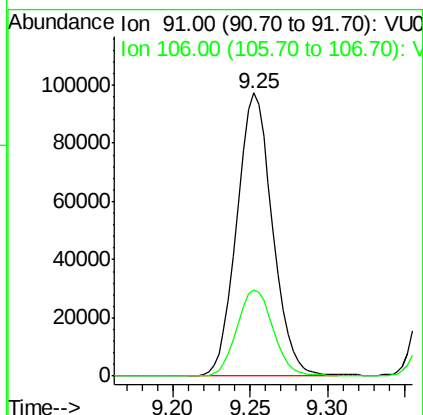
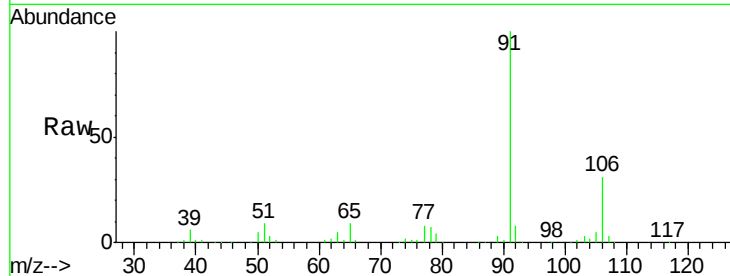




#67
Ethyl Benzene
Concen: 17.97 ug/l
RT: 9.25 min Scan# 2694
Delta R.T. 0.00 min
Lab File: VU025308.D
Acq: 11 Jul 2018 12:38

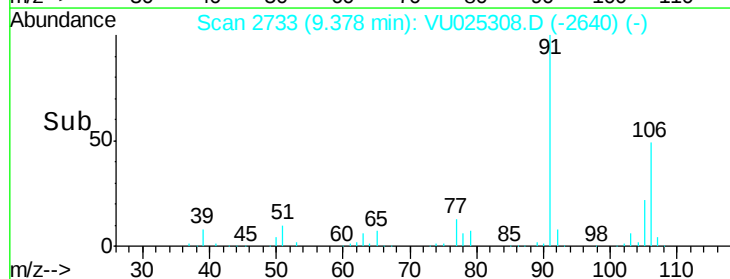
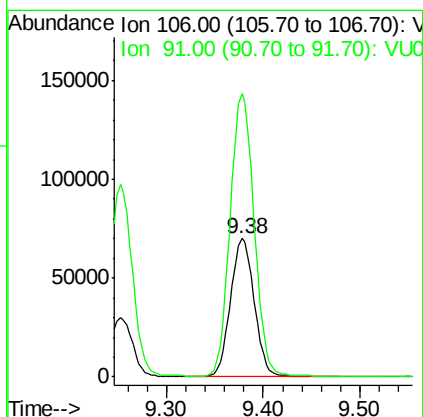
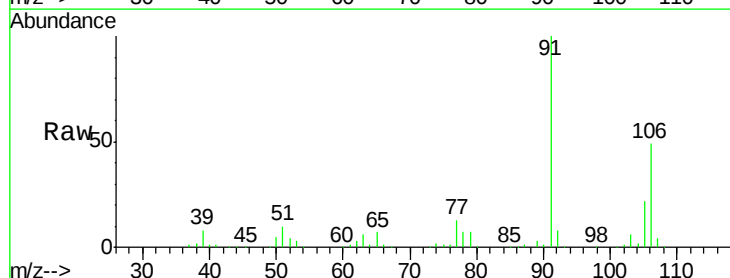
Instrument :
MSVOA_U
ClientSampleId :
VU0711WBS01

Tot Ion: 91 Resp: 155958
Ion Ratio Lower Upper
91 100
106 30.7 25.3 37.9



#68
m/p-Xylenes
Concen: 35.76 ug/l
RT: 9.38 min Scan# 2733
Delta R.T. 0.00 min
Lab File: VU025308.D
Acq: 11 Jul 2018 12:38

Tgt Ion: 106 Resp: 119968
Ion Ratio Lower Upper
106 100
91 204.4 162.3 243.5

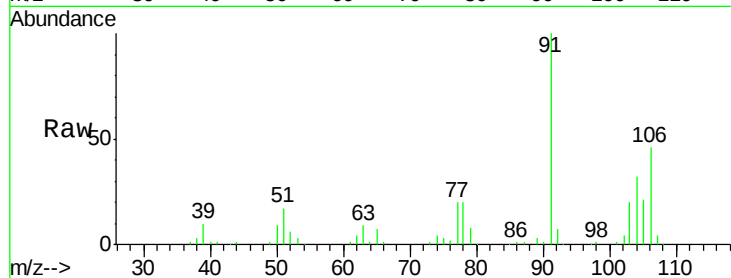




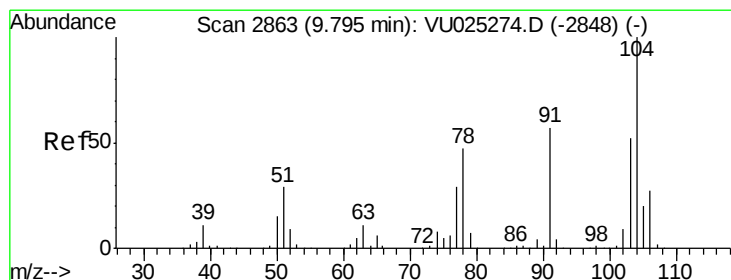
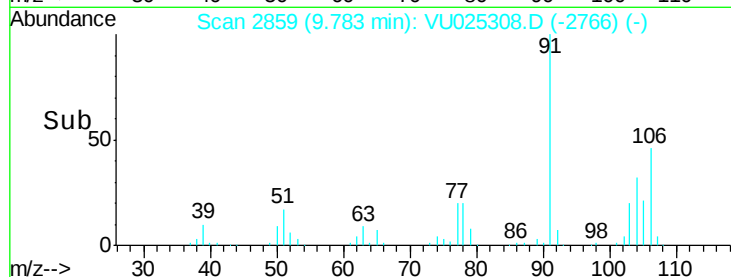
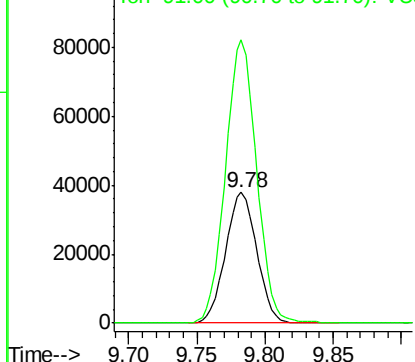
#69
o-Xylene
Concen: 18.00 ug/l
RT: 9.78 min Scan# 2859
Delta R.T. 0.00 min
Lab File: VU025308.D
Acq: 11 Jul 2018 12:38

Instrument :
MSVOA_U
ClientSampleId :
VU0711WBS01

Tot Ion:106 Resp: 60466
Ion Ratio Lower Upper
106 100
91 215.4 105.3 315.8

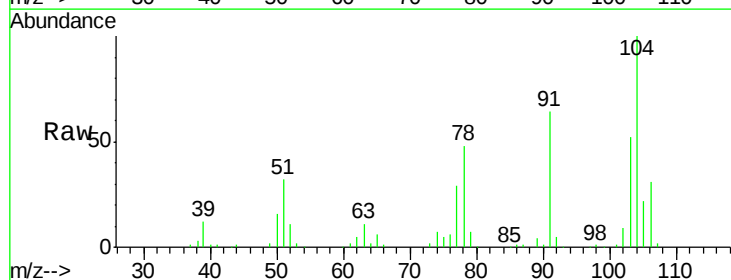


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

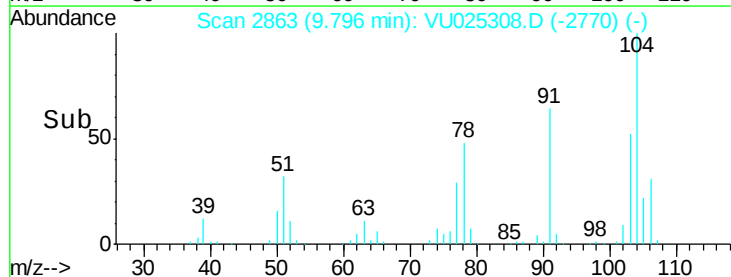
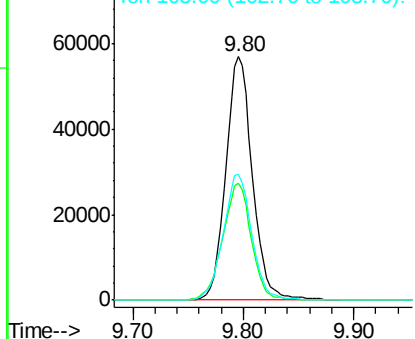


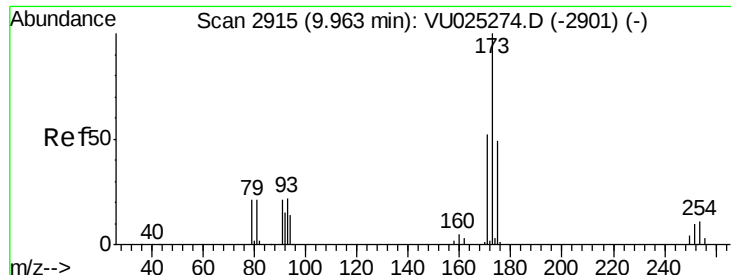
#70
Styrene
Concen: 17.83 ug/l
RT: 9.80 min Scan# 2863
Delta R.T. 0.00 min
Lab File: VU025308.D
Acq: 11 Jul 2018 12:38

Tgt Ion:104 Resp: 95122
Ion Ratio Lower Upper
104 100
78 51.6 41.6 62.4
103 55.4 44.6 66.8



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





#71

Bromoform

Concen: 18.39 ug/l

RT: 9.96 min Scan# 2915

Delta R.T. 0.00 min

Lab File: VU025308.D

Acq: 11 Jul 2018 12:38

Instrument :

MSVOA_U

ClientSampleId :

VU0711WBS01

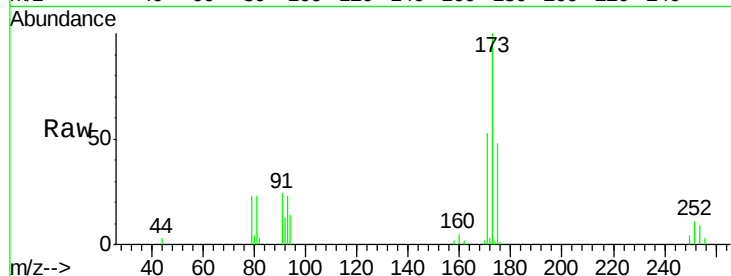
Tot Ion:173 Resp: 26745

Ion Ratio Lower Upper

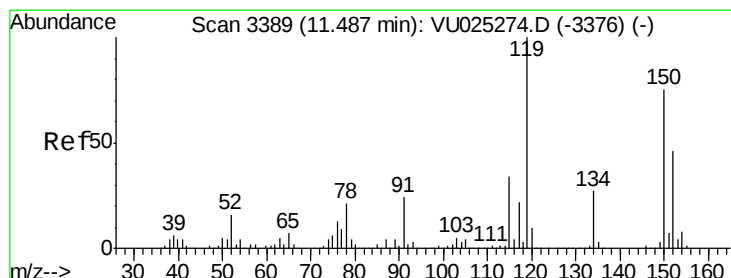
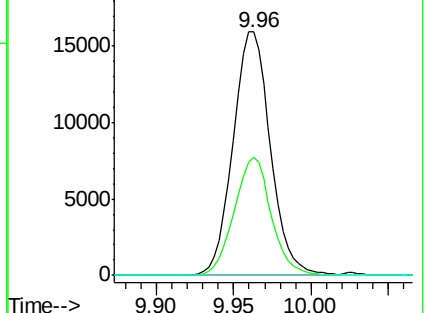
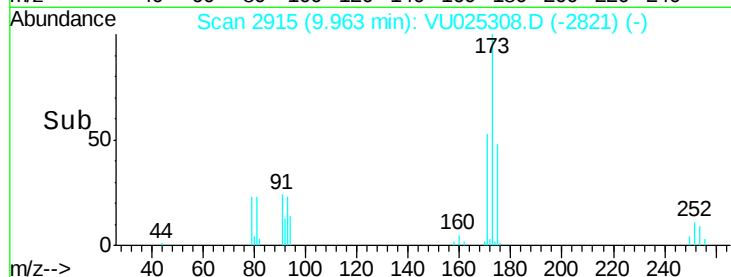
173 100

175 47.7 24.0 72.0

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: 50.00 ug/l

RT: 11.49 min Scan# 3389

Delta R.T. 0.00 min

Lab File: VU025308.D

Acq: 11 Jul 2018 12:38

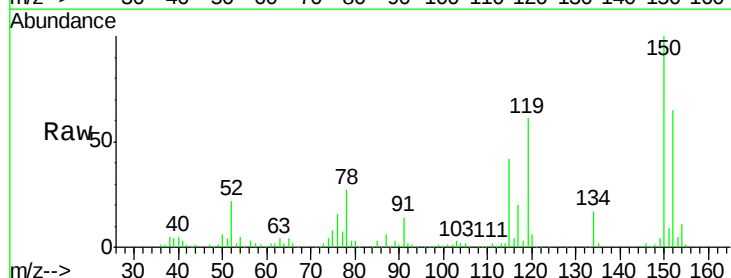
Tgt Ion:152 Resp: 113832

Ion Ratio Lower Upper

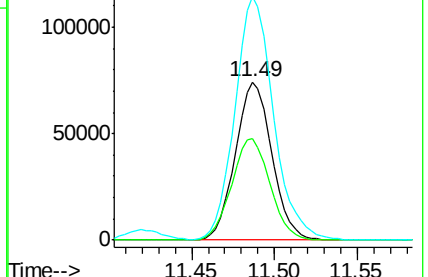
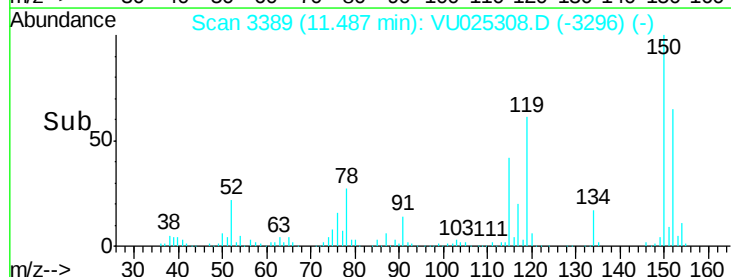
152 100

115 67.7 40.1 120.3

150 162.6 0.0 351.4



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





#73

Isopropylbenzene

Concen: 18.74 ug/l

RT: 10.17 min Scan# 2979

Delta R.T. 0.00 min

Lab File: VU025308.D

Acq: 11 Jul 2018 12:38

Instrument :

MSVOA_U

ClientSampleId :

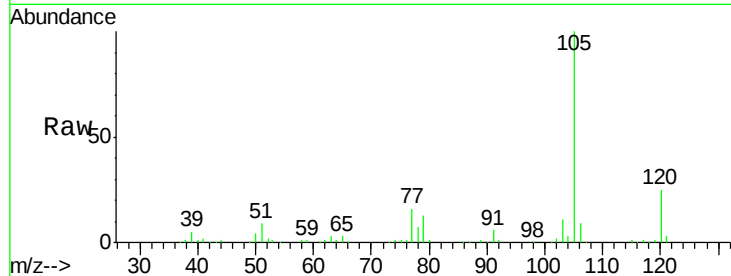
VU0711WBS01

Tot Ion:105 Resp: 163021

Ion Ratio Lower Upper

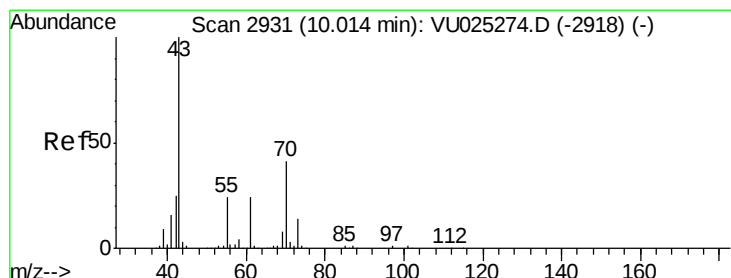
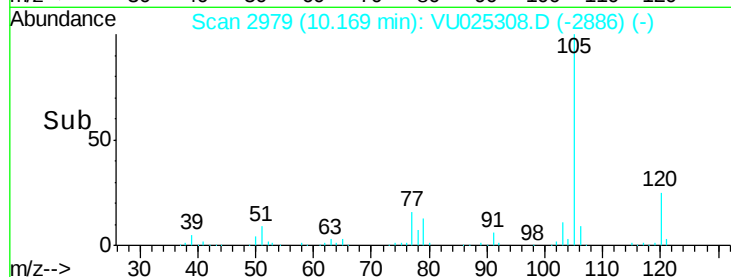
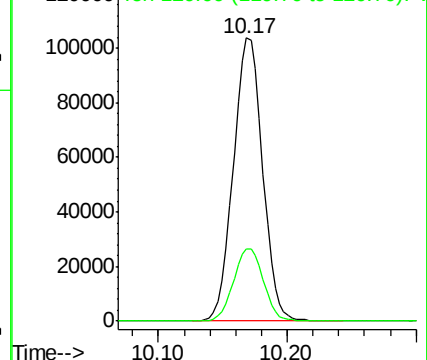
105 100

120 26.1 13.5 40.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 19.39 ug/l

RT: 10.01 min Scan# 2931

Delta R.T. 0.00 min

Lab File: VU025308.D

Acq: 11 Jul 2018 12:38

Tgt Ion: 43 Resp: 66184

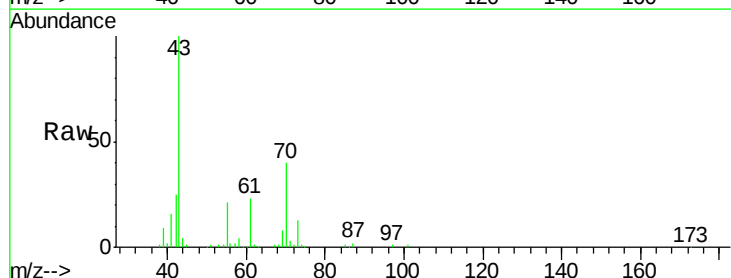
Ion Ratio Lower Upper

43 100

70 41.3 33.4 50.2

55 22.5 19.0 28.6

61 23.6 19.3 28.9

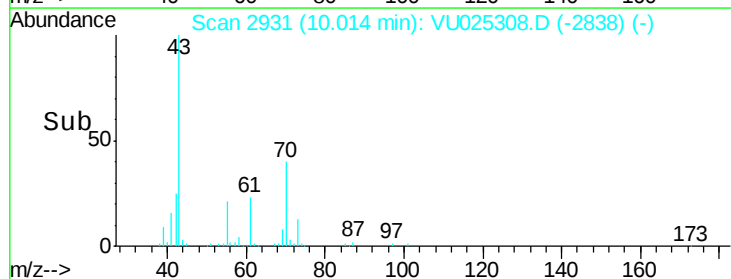
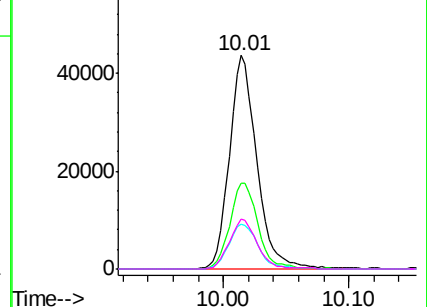


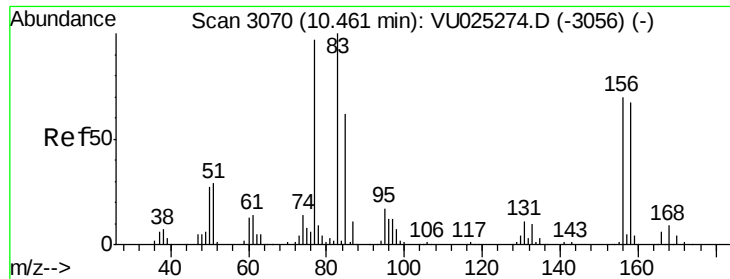
Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 70.00 (69.70 to 70.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 61.00 (60.70 to 61.70): VU0





#75

1,1,2,2-Tetrachloroethane

Concen: 18.74 ug/l

RT: 10.46 min Scan# 3070

Delta R.T. 0.00 min

Lab File: VU025308.D

Acq: 11 Jul 2018 12:38

Instrument :

MSVOA_U

ClientSampleId :

VU0711WBS01

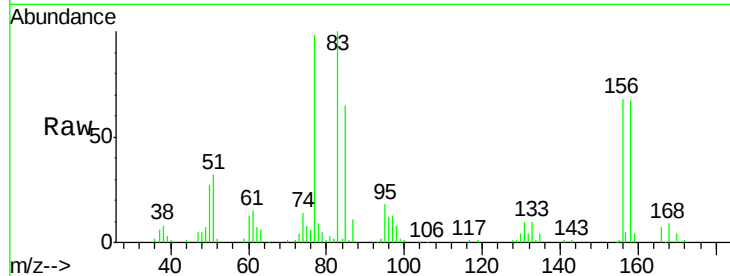
Tot Ion: 83 Resp: 53313

Ion Ratio Lower Upper

83 100

131 10.3 5.5 16.4

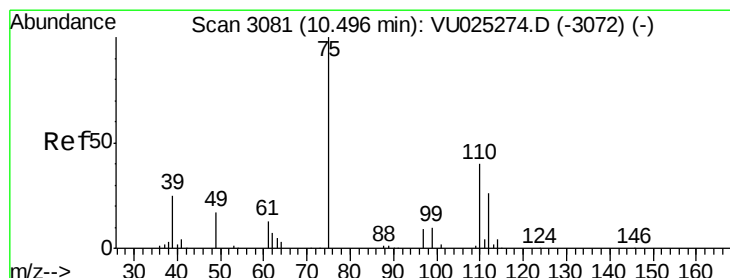
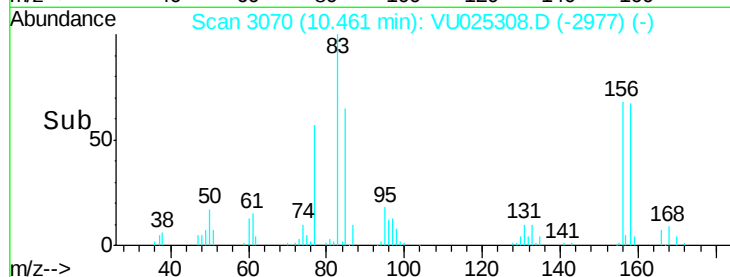
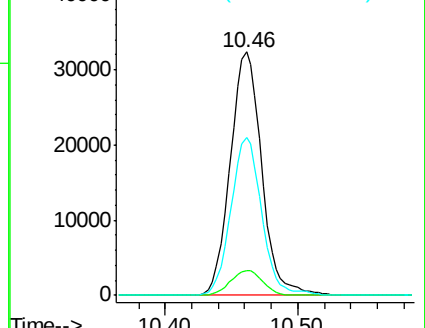
85 63.6 31.6 94.8



Abundance Ion 82.90 (82.60 to 83.60): VU025308.D (-2977) (-)

Ion 130.80 (130.50 to 131.50): VU025308.D (-2977) (-)

Ion 84.90 (84.60 to 85.60): VU025308.D (-2977) (-)



#76

1,2,3-Trichloropropane

Concen: 26.10 ug/l

RT: 10.50 min Scan# 3081

Delta R.T. 0.00 min

Lab File: VU025308.D

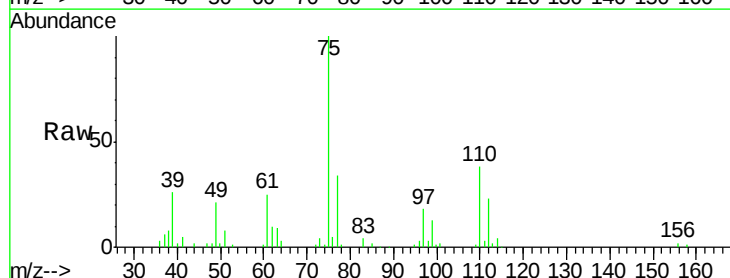
Acq: 11 Jul 2018 12:38

Tgt Ion: 75 Resp: 60318

Ion Ratio Lower Upper

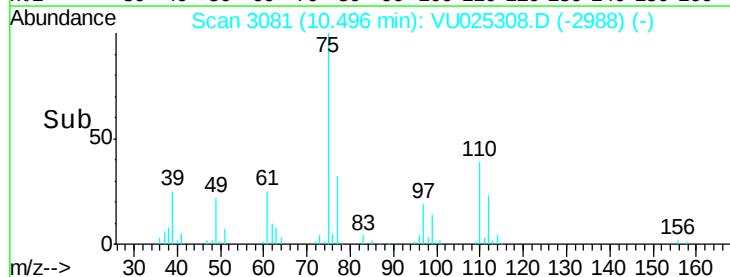
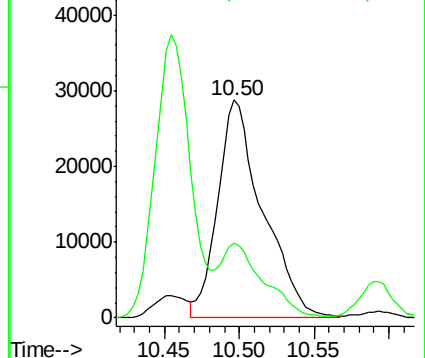
75 100

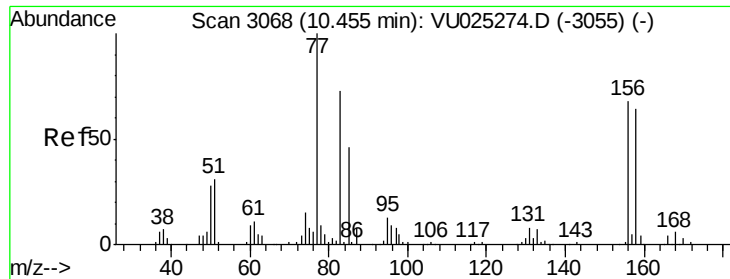
77 32.2 20.4 61.3



Abundance Ion 74.90 (74.60 to 75.60): VU025308.D (-2988) (-)

Ion 77.00 (76.70 to 77.70): VU025308.D (-2988) (-)





#77

Bromobenzene

Concen: 18.26 ug/l

RT: 10.45 min Scan# 3068

Delta R.T. 0.00 min

Lab File: VU025308.D

Acq: 11 Jul 2018 12:38

Instrument :

MSVOA_U

ClientSampleId :

VU0711WBS01

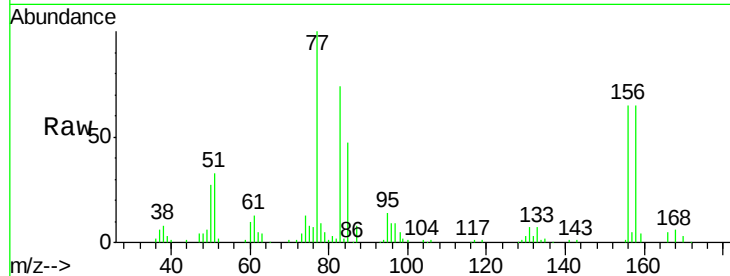
Tot Ion:156 Resp: 40620

Ion Ratio Lower Upper

156 100

77 152.8 73.8 221.4

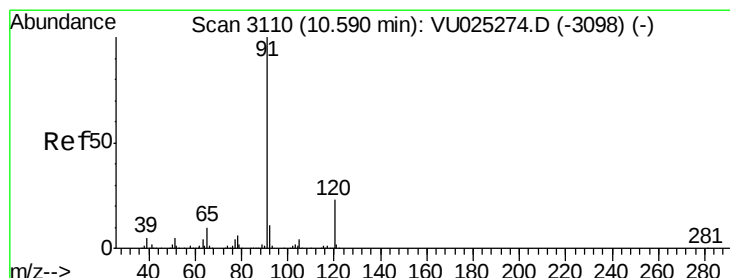
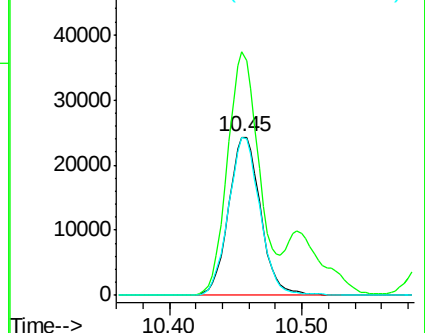
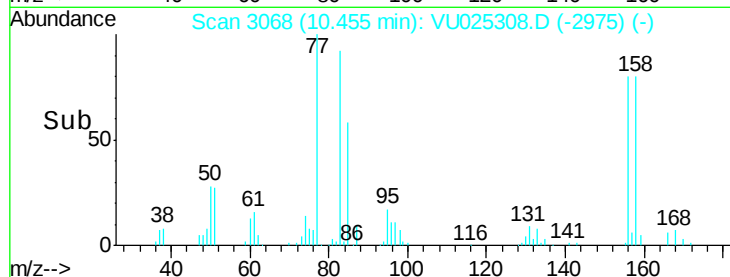
158 98.5 48.0 144.0



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VU0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 18.55 ug/l

RT: 10.59 min Scan# 3110

Delta R.T. 0.00 min

Lab File: VU025308.D

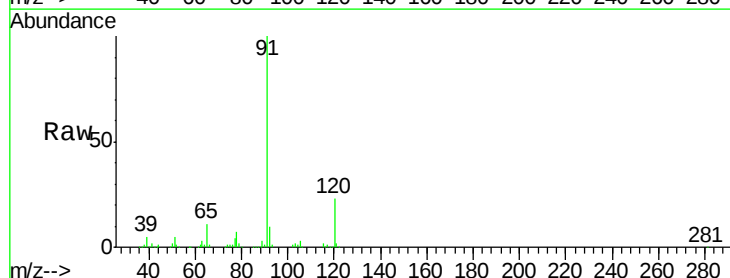
Acq: 11 Jul 2018 12:38

Tgt Ion: 91 Resp: 179017

Ion Ratio Lower Upper

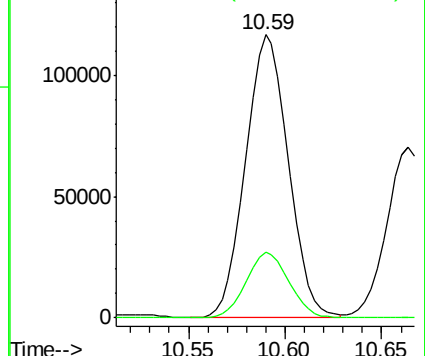
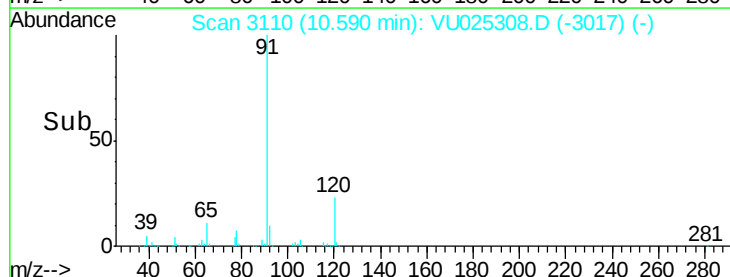
91 100

120 23.3 11.8 35.3



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.85 ug/l

RT: 10.66 min Scan# 3133

Delta R.T. 0.00 min

Lab File: VU025308.D

Acq: 11 Jul 2018 12:38

Instrument :

MSVOA_U

ClientSampleId :

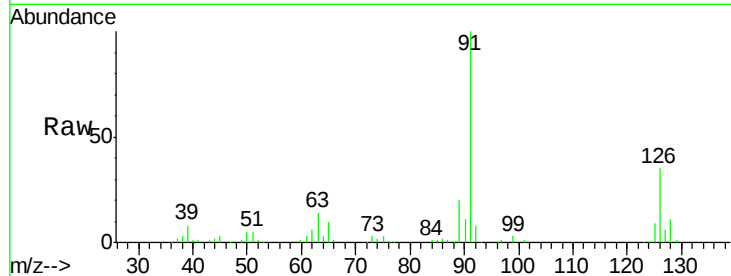
VU0711WBS01

Tot Ion: 91 Resp: 109522

Ion Ratio Lower Upper

91 100

126 35.4 17.5 52.6



Abundance Ion 91.00 (90.70 to 91.70): VU025274.D (-3122) (-)

Ion 125.90 (125.60 to 126.60): VU025274.D (-3122) (-)

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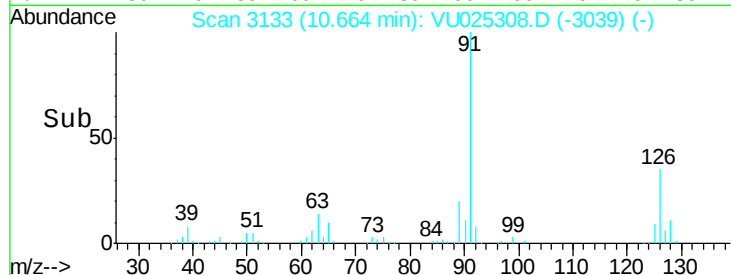
10.66

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10.66



#80

1,3,5-Trimethylbenzene

Concen: 18.71 ug/l

RT: 10.78 min Scan# 3168

Delta R.T. 0.00 min

Lab File: VU025308.D

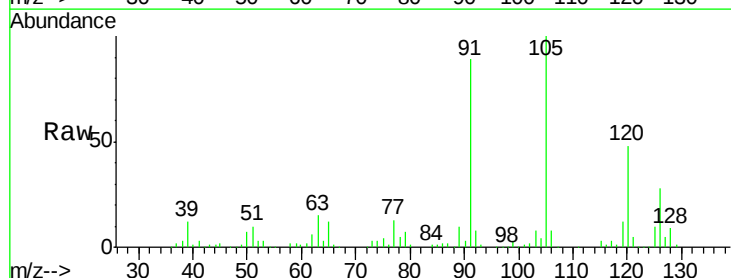
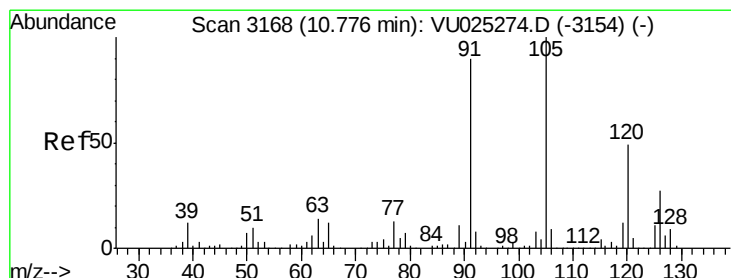
Acq: 11 Jul 2018 12:38

Tgt Ion:105 Resp: 136963

Ion Ratio Lower Upper

105 100

120 48.4 24.1 72.2



Abundance Ion 105.00 (104.70 to 105.70): VU025274.D (-3154) (-)

Ion 120.00 (119.70 to 120.70): VU025274.D (-3154) (-)

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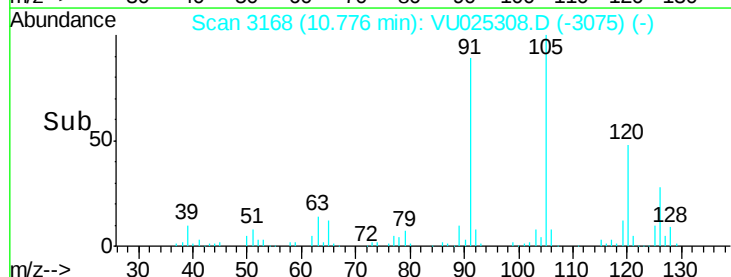
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Abundance Ion 105.00 (104.70 to 105.70): VU025308.D (-3075) (-)

Ion 120.00 (119.70 to 120.70): VU025308.D (-3075) (-)

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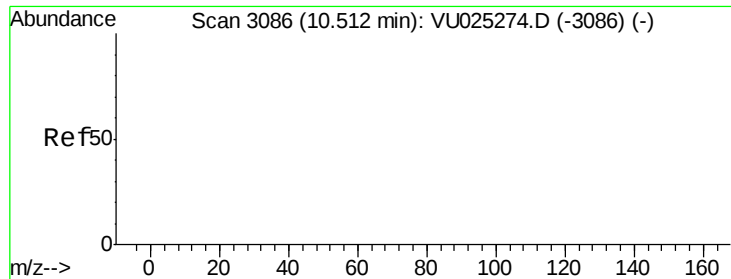
10.78

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10.78

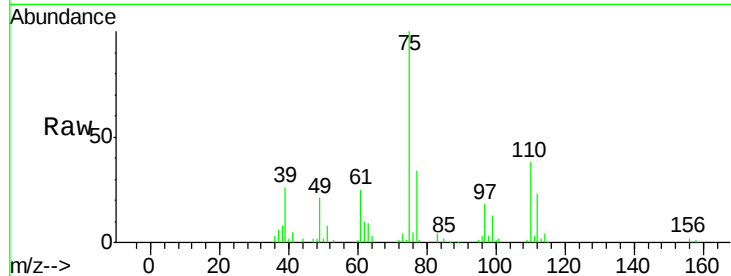
10.78



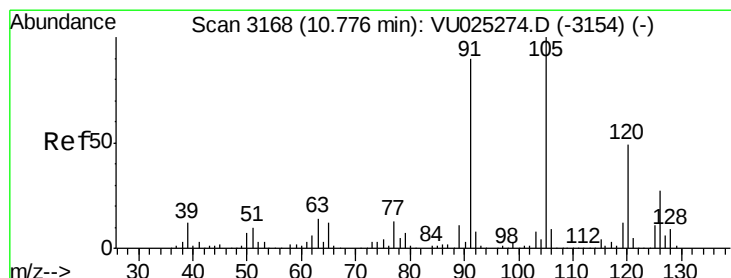
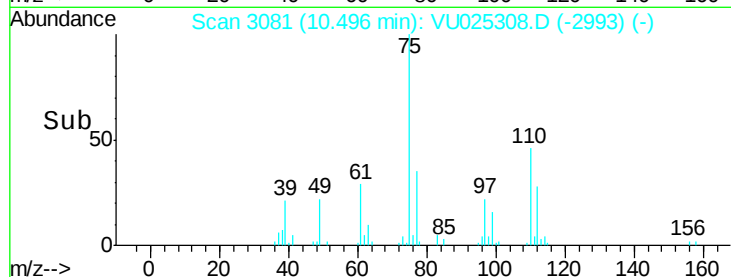
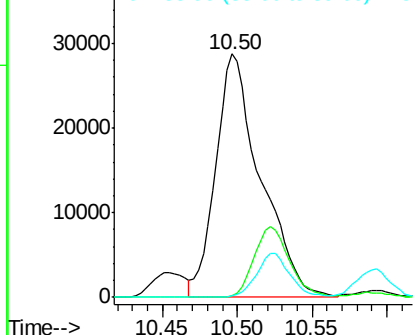
#81
trans-1,4-Dichloro-2-butene
Concen: 66.51 ug/l
RT: 10.50 min Scan# 3081
Delta R.T. -0.02 min
Lab File: VU025308.D
Acq: 11 Jul 2018 12:38

Instrument :
MSVOA_U
ClientSampleId :
VU0711WBS01

Tot Ion: 75 Resp: 60318
Ion Ratio Lower Upper
75 100
53 0.0 0.0 0.0
89 0.0 0.0 0.0

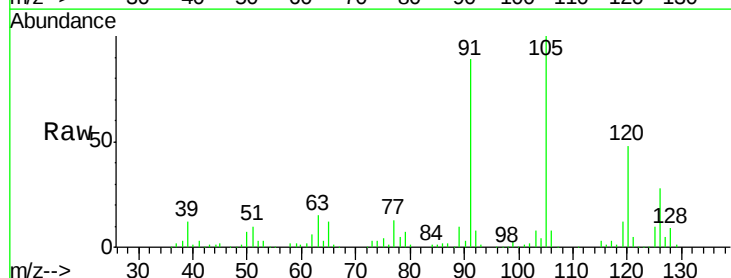


Abundance Ion 74.90 (74.60 to 75.60): VU0
Ion 53.00 (52.70 to 53.70): VU0
Ion 88.90 (88.60 to 89.60): VU0

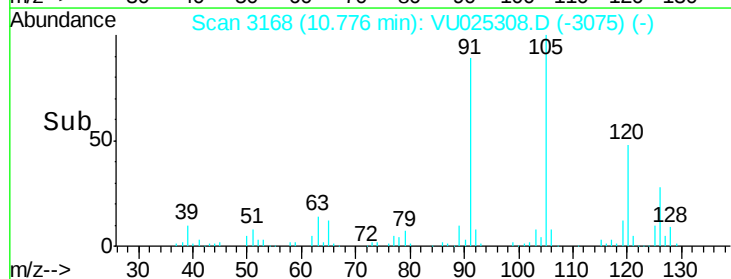
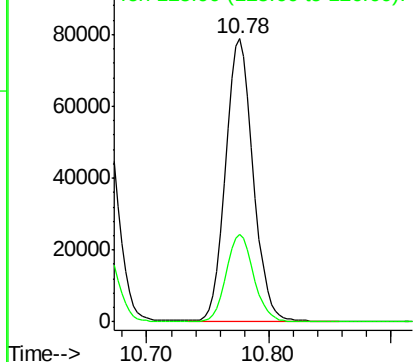


#82
4-Chlorotoluene
Concen: 18.37 ug/l
RT: 10.78 min Scan# 3168
Delta R.T. 0.00 min
Lab File: VU025308.D
Acq: 11 Jul 2018 12:38

Tgt Ion: 91 Resp: 125511
Ion Ratio Lower Upper
91 100
126 30.8 15.3 45.9



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

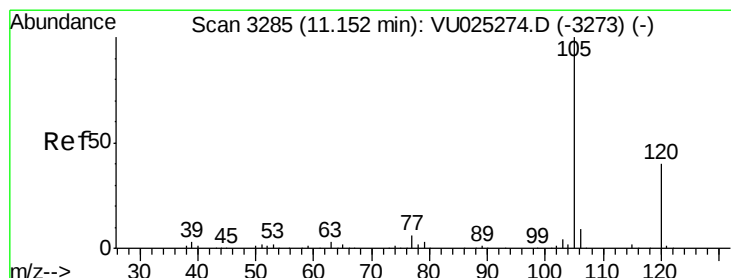
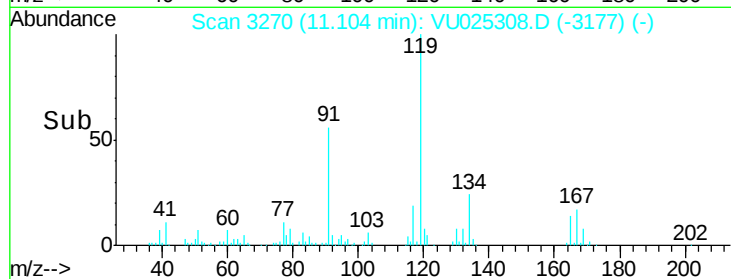
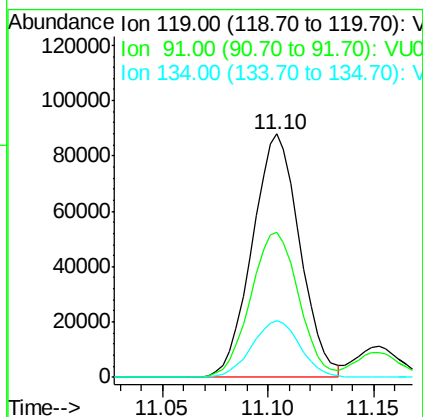
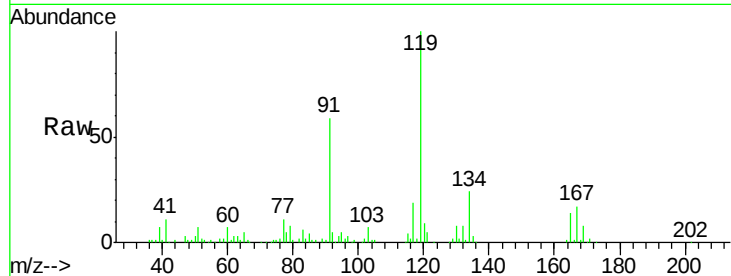




#83
 tert-Butylbenzene
 Concen: 18.67 ug/l
 RT: 11.10 min Scan# 3270
 Delta R.T. 0.00 min
 Lab File: VU025308.D
 Acq: 11 Jul 2018 12:38

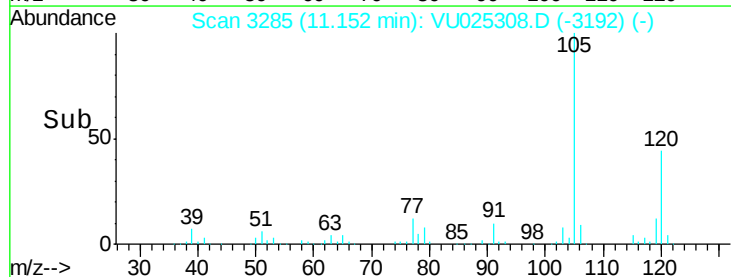
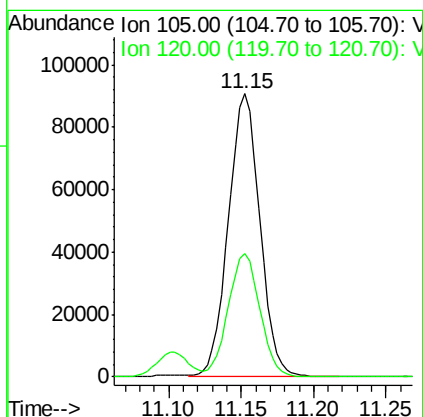
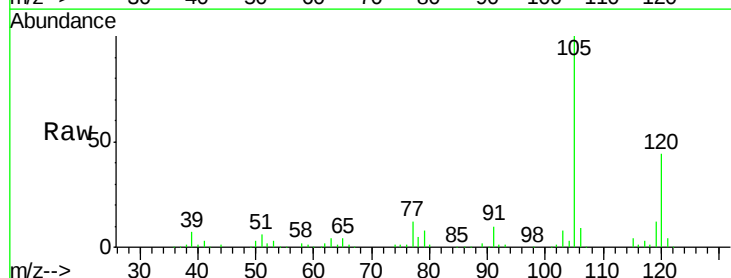
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0711WBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	60.4	29.7	89.1
134	23.6	11.5	34.5



#84
 1,2,4-Trimethylbenzene
 Concen: 18.18 ug/l
 RT: 11.15 min Scan# 3285
 Delta R.T. 0.00 min
 Lab File: VU025308.D
 Acq: 11 Jul 2018 12:38

Tgt Ion	Ratio	Lower	Upper
105	100		
120	43.7	22.3	66.8

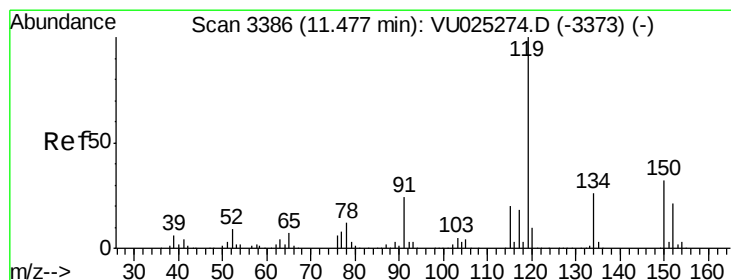
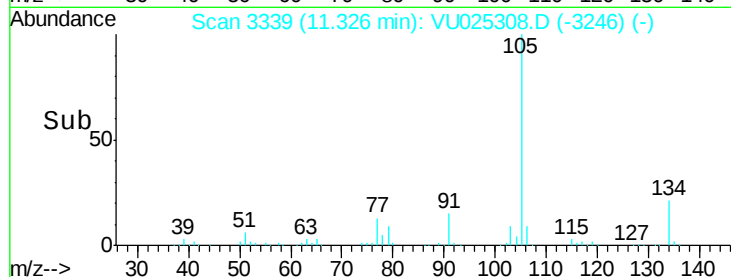
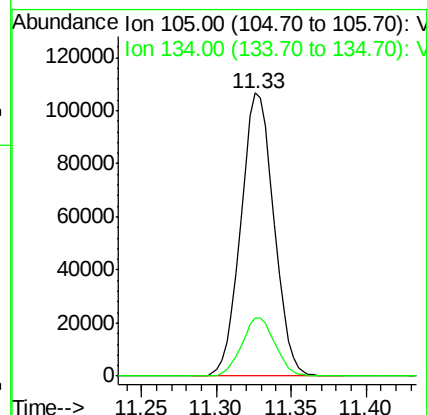
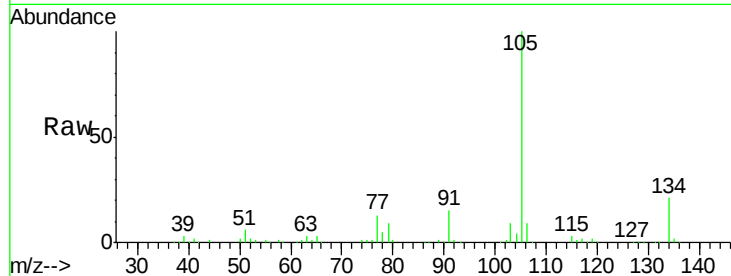




#85
 sec-Butylbenzene
 Concen: 18.85 ug/l
 RT: 11.33 min Scan# 3339
 Delta R.T. 0.00 min
 Lab File: VU025308.D
 Acq: 11 Jul 2018 12:38

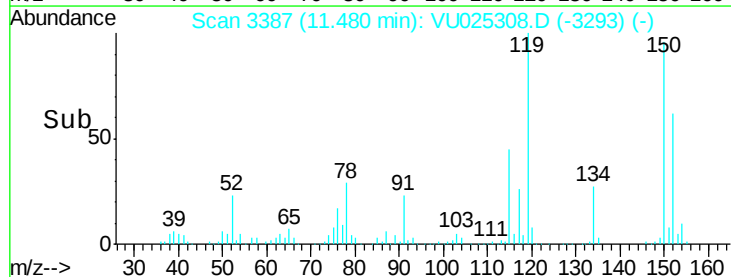
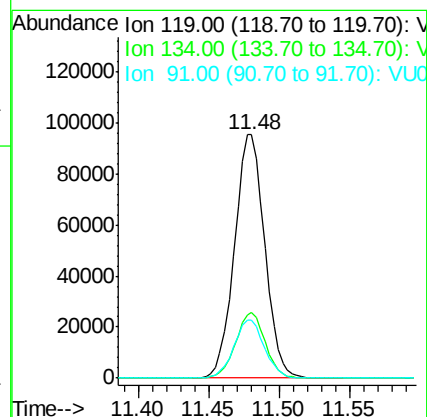
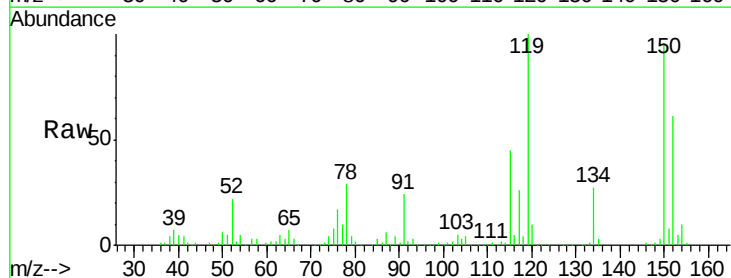
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0711WBS01

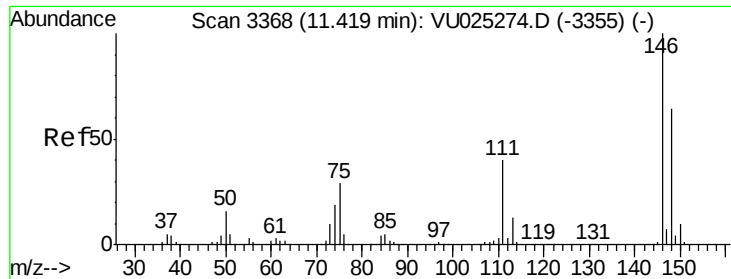
Tot Ion:105 Resp: 164175
 Ion Ratio Lower Upper
 105 100
 134 20.8 10.3 30.8



#86
 p-Isopropyltoluene
 Concen: 18.56 ug/l
 RT: 11.48 min Scan# 3387
 Delta R.T. 0.00 min
 Lab File: VU025308.D
 Acq: 11 Jul 2018 12:38

Tgt Ion:119 Resp: 143072
 Ion Ratio Lower Upper
 119 100
 134 26.3 13.2 39.5
 91 24.0 12.0 36.1

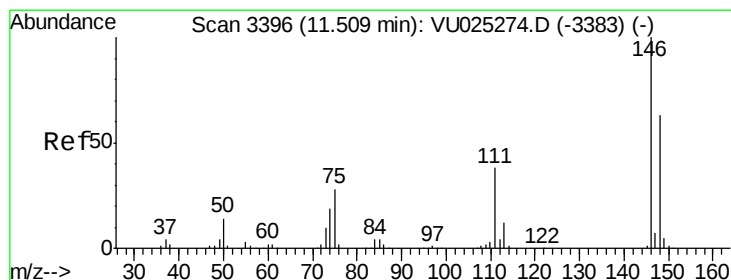
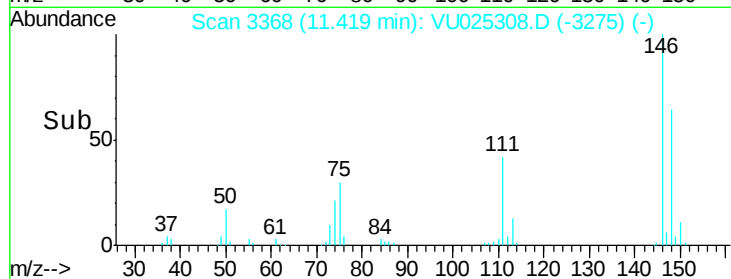
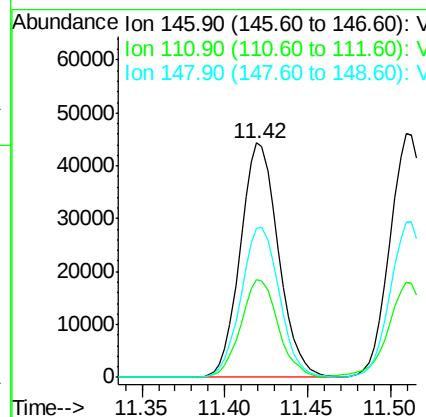
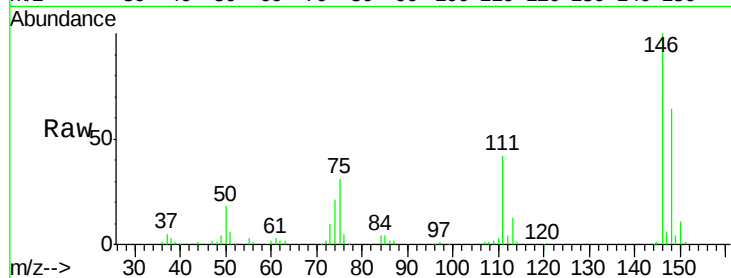




#87
 1,3-Dichlorobenzene
 Concen: 17.48 ug/l
 RT: 11.42 min Scan# 3368
 Delta R.T. 0.00 min
 Lab File: VU025308.D
 Acq: 11 Jul 2018 12:38

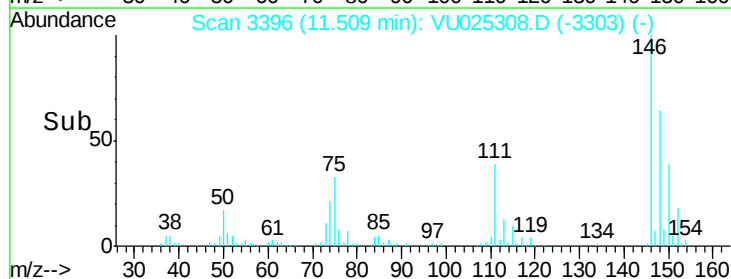
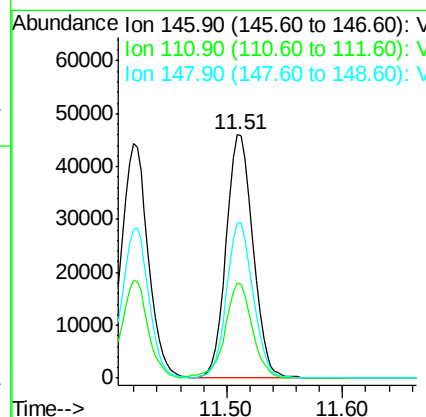
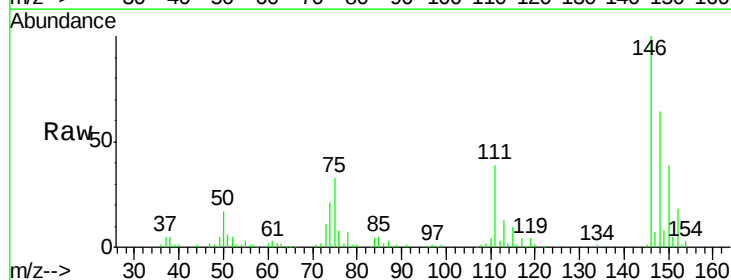
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0711WBS01

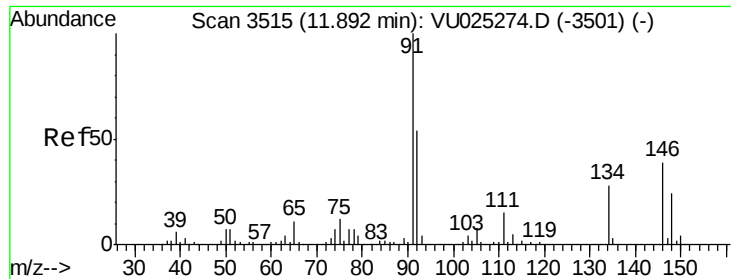
Tot Ion:146 Resp: 71063
 Ion Ratio Lower Upper
 146 100
 111 40.7 19.7 59.1
 148 64.4 32.1 96.3



#88
 1,4-Dichlorobenzene
 Concen: 19.52 ug/l
 RT: 11.51 min Scan# 3396
 Delta R.T. 0.00 min
 Lab File: VU025308.D
 Acq: 11 Jul 2018 12:38

Tgt Ion:146 Resp: 73817
 Ion Ratio Lower Upper
 146 100
 111 39.5 19.4 58.1
 148 63.2 31.7 95.1

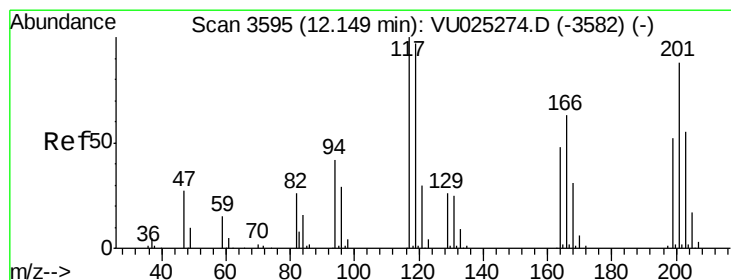
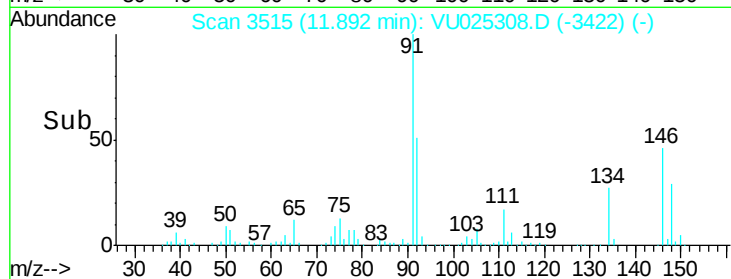
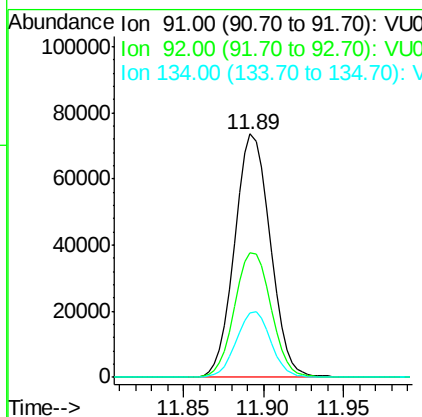
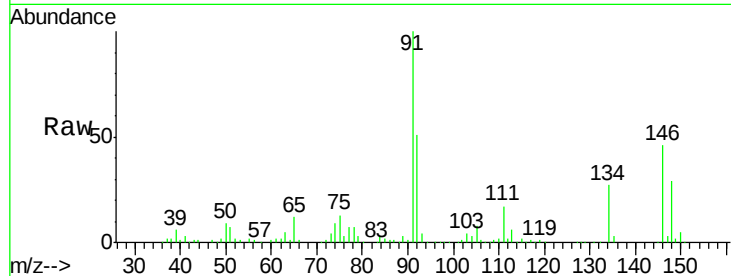




#89
n-Butylbenzene
Concen: 17.65 ug/l
RT: 11.89 min Scan# 3515
Delta R.T. 0.00 min
Lab File: VU025308.D
Acq: 11 Jul 2018 12:38

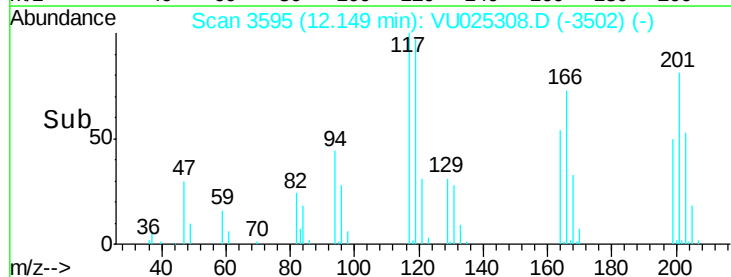
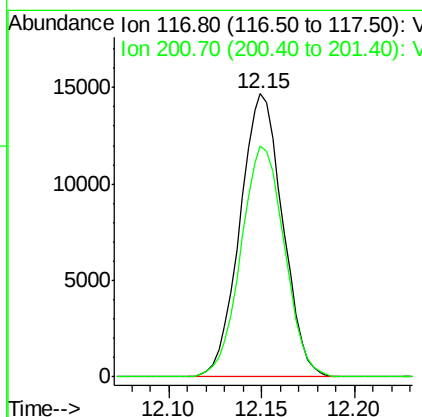
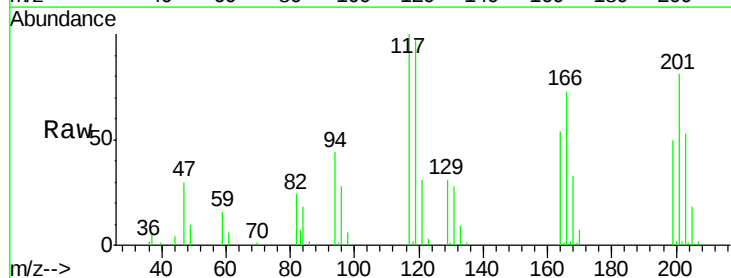
Instrument :
MSVOA_U
ClientSampleId :
VU0711WBS01

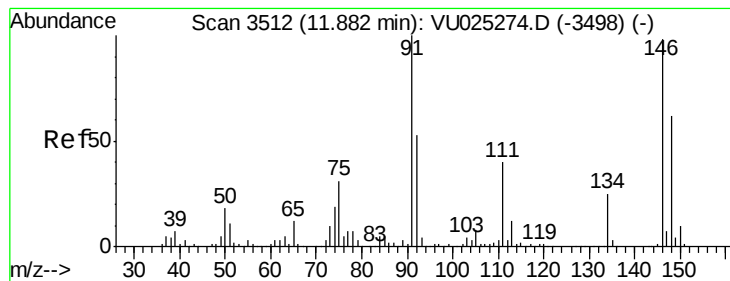
Tot Ion: 91 Resp: 111889
Ion Ratio Lower Upper
91 100
92 52.6 26.5 79.5
134 25.9 13.6 40.7



#90
Hexachloroethane
Concen: 17.95 ug/l
RT: 12.15 min Scan# 3595
Delta R.T. 0.00 min
Lab File: VU025308.D
Acq: 11 Jul 2018 12:38

Tgt Ion: 117 Resp: 23432
Ion Ratio Lower Upper
117 100
201 83.2 42.5 127.6





#91

1,2-Dichlorobenzene

Concen: 18.34 ug/l

RT: 11.88 min Scan# 3512

Delta R.T. 0.00 min

Lab File: VU025308.D

Acq: 11 Jul 2018 12:38

Instrument :

MSVOA_U

ClientSampleId :

VU0711WBS01

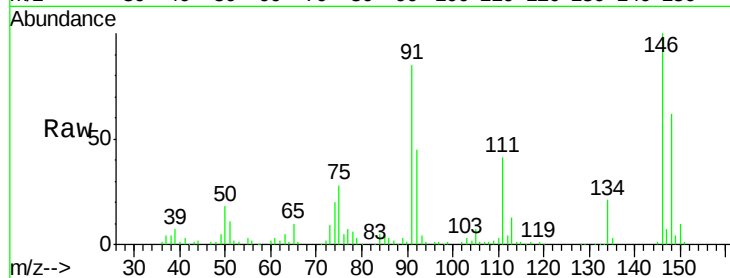
Tot Ion:146 Resp: 75312

Ion Ratio Lower Upper

146 100

111 41.5 20.6 61.8

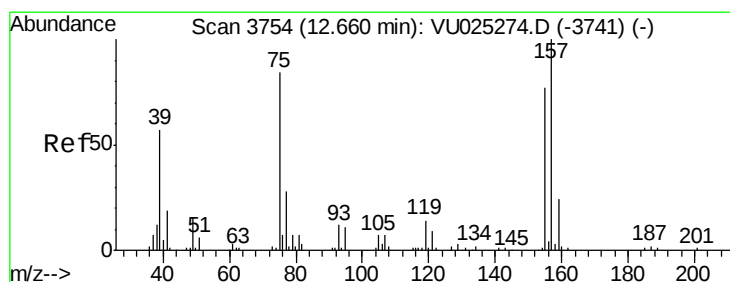
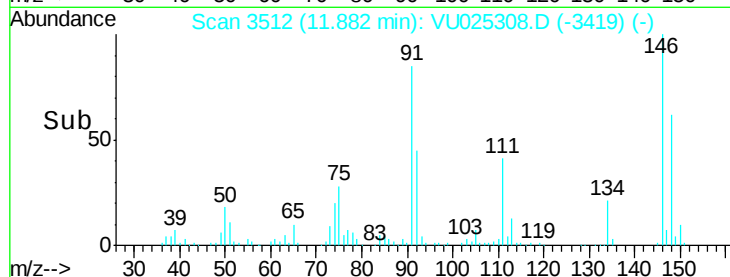
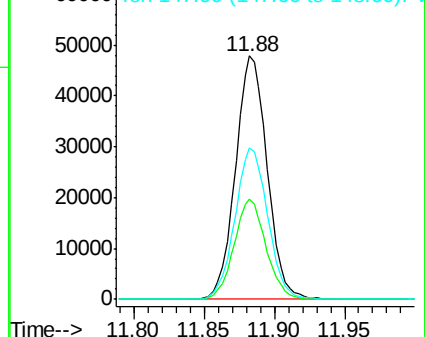
148 64.2 31.5 94.5



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 18.40 ug/l

RT: 12.66 min Scan# 3754

Delta R.T. 0.00 min

Lab File: VU025308.D

Acq: 11 Jul 2018 12:38

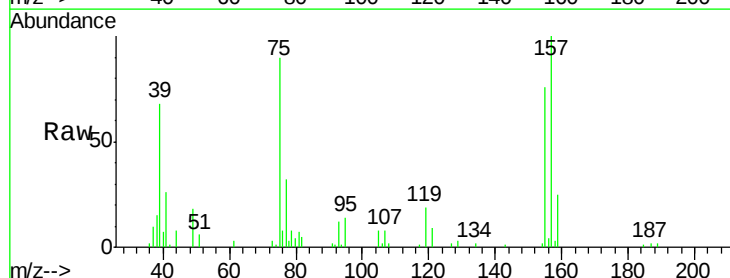
Tgt Ion: 75 Resp: 12699

Ion Ratio Lower Upper

75 100

155 81.8 44.5 133.3

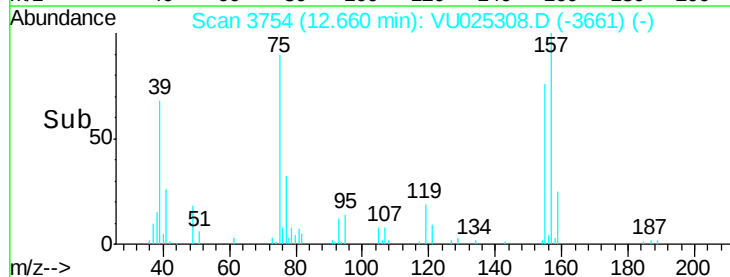
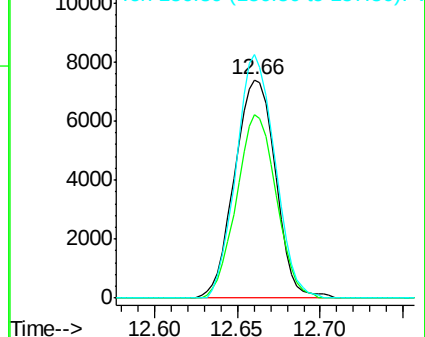
157 105.7 57.0 170.8

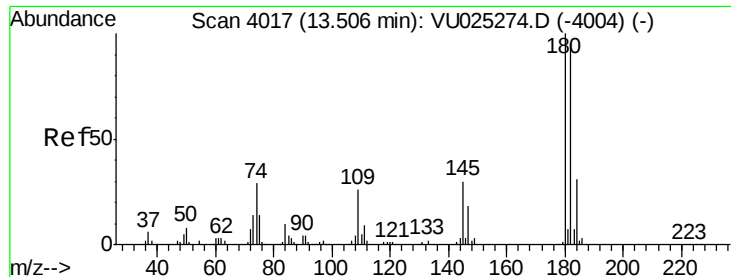


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

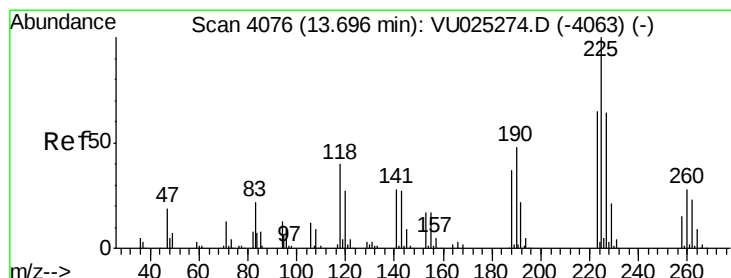
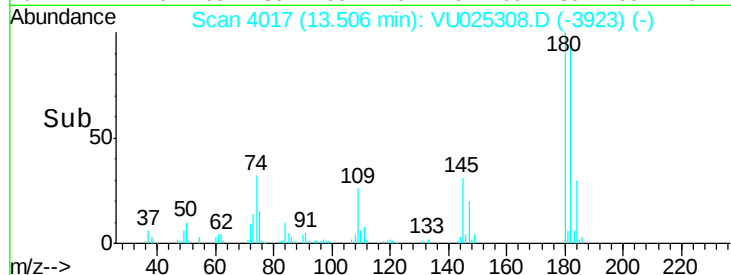
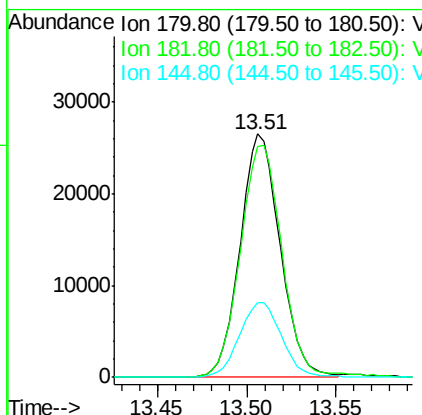
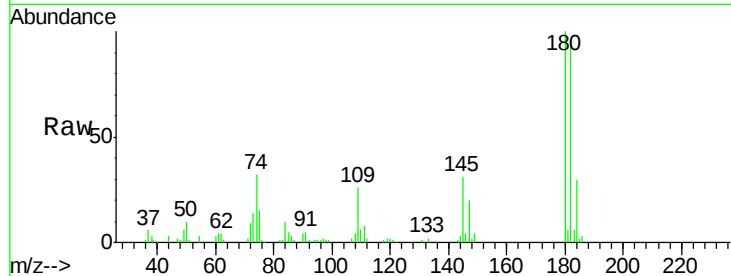




#93
 1,2,4-Trichlorobenzene
 Concen: 17.46 ug/l
 RT: 13.51 min Scan# 4017
 Delta R.T. 0.00 min
 Lab File: VU025308.D
 Acq: 11 Jul 2018 12:38

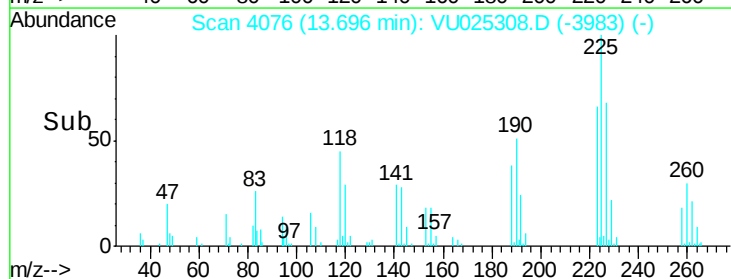
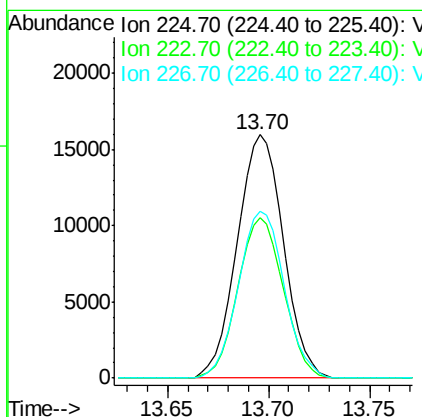
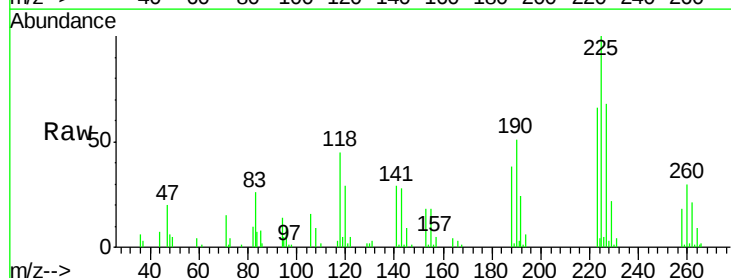
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0711WBS01

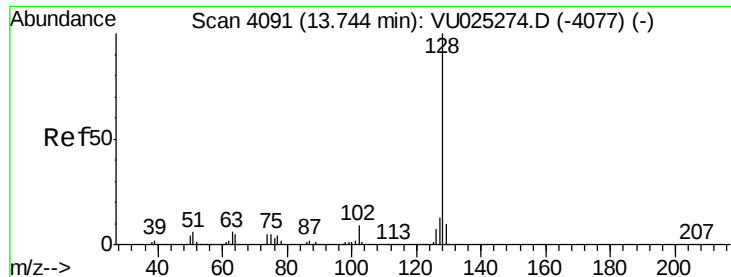
Tot Ion:180 Resp: 41724
 Ion Ratio Lower Upper
 180 100
 182 99.6 47.3 141.9
 145 32.3 14.9 44.7



#94
 Hexachlorobutadiene
 Concen: 17.45 ug/l
 RT: 13.70 min Scan# 4076
 Delta R.T. 0.00 min
 Lab File: VU025308.D
 Acq: 11 Jul 2018 12:38

Tgt Ion:225 Resp: 25630
 Ion Ratio Lower Upper
 225 100
 223 64.8 31.9 95.7
 227 67.8 32.3 96.9





#95

Naphthalene

Concen: 18.56 ug/l

RT: 13.75 min Scan# 4092

Delta R.T. 0.00 min

Lab File: VU025308.D

Acq: 11 Jul 2018 12:38

Instrument :

MSVOA_U

ClientSampleId :

VU0711WBS01

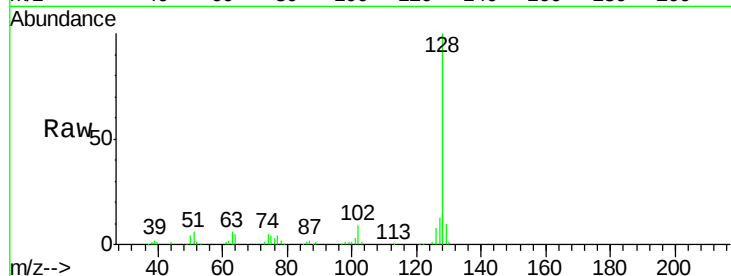
Tot Ion:128 Resp: 141787

Ion Ratio Lower Upper

128 100

127 12.8 10.5 15.7

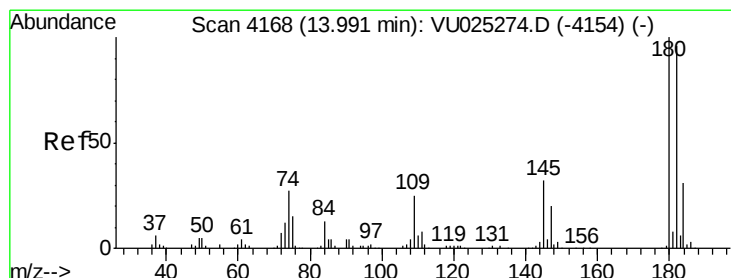
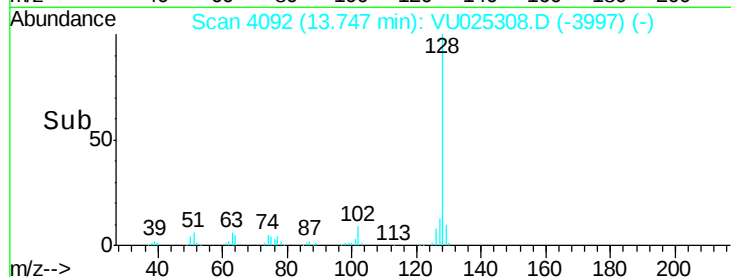
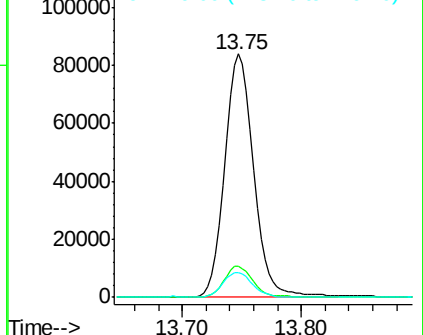
129 10.6 8.3 12.5



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 18.38 ug/l

RT: 13.99 min Scan# 4168

Delta R.T. 0.00 min

Lab File: VU025308.D

Acq: 11 Jul 2018 12:38

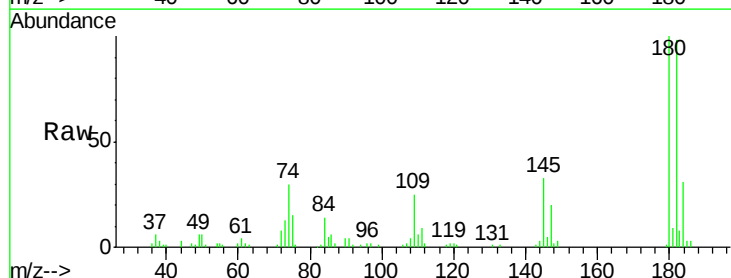
Tgt Ion:180 Resp: 46628

Ion Ratio Lower Upper

180 100

182 97.0 47.8 143.3

145 32.4 15.6 46.8



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

