

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU071218\
 Data File : VU025361.D
 Acq On : 13 Jul 2018 00:49
 Operator : MD/SY
 Sample : VU0712WBS02
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0712WBS03

Quant Time: Jul 13 04:35:06 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	163541	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	252088	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	232060	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	131389	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.31	65	128203	50.46	ug/l	0.00
Spiked Amount			Recovery	=	100.92%	
35) Dibromofluoromethane	4.89	113	102621	48.26	ug/l	0.00
Spiked Amount			Recovery	=	96.52%	
50) Toluene-d8	7.57	98	337251	46.31	ug/l	0.00
Spiked Amount			Recovery	=	92.62%	
62) 4-Bromofluorobenzene	10.31	95	133195	45.43	ug/l	0.00
Spiked Amount			Recovery	=	90.86%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	29888	17.66	ug/l	99
3) Chloromethane	1.33	50	31561	19.07	ug/l	98
4) Vinyl Chloride	1.40	62	33945	18.25	ug/l	99
5) Bromomethane	1.62	94	23154	21.32	ug/l	96
6) Chloroethane	1.70	64	23648	20.17	ug/l	98
7) Trichlorofluoromethane	1.89	101	56668	19.39	ug/l	100
8) Diethyl Ether	2.10	74	22881	20.86	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.29	101	36138	19.95	ug/l	99
10) Methyl Iodide	2.41	142	38259	23.67	ug/l	98
11) Tert butyl alcohol	2.82	59	59453	107.26	ug/l	99
12) 1,1-Dichloroethene	2.28	96	32160	19.40	ug/l	95
13) Acrolein	2.19	56	16918	46.14	ug/l	95
14) Allyl chloride	2.59	41	54772	18.22	ug/l	98
15) Acrylonitrile	2.94	53	116556	102.28	ug/l	98
16) Acetone	2.32	43	113959	91.05	ug/l	98
17) Carbon Disulfide	2.48	76	74752	16.77	ug/l	99
18) Methyl Acetate	2.62	43	61554	23.66	ug/l	99
19) Methyl tert-butyl Ether	3.00	73	134206	21.28	ug/l	99
20) Methylene Chloride	2.70	84	39915	20.72	ug/l	98
21) trans-1,2-Dichloroethene	2.99	96	34650	18.29	ug/l	97
22) Diisopropyl ether	3.57	45	130540	21.26	ug/l	95
23) Vinyl Acetate	3.53	43	544558	101.11	ug/l	99
24) 1,1-Dichloroethane	3.45	63	74164	21.42	ug/l	98
25) 2-Butanone	4.26	43	171052	97.13	ug/l	96
26) 2,2-Dichloropropane	4.23	77	52780	15.85	ug/l	100
27) cis-1,2-Dichloroethene	4.23	96	43612	19.90	ug/l	98
28) Bromochloromethane	4.55	49	35867	21.45	ug/l	96
29) Tetrahydrofuran	4.64	42	109835	103.98	ug/l	98
30) Chloroform	4.68	83	77403	21.11	ug/l	98
31) Cyclohexane	5.00	56	61063	19.49	ug/l	98
32) 1,1,1-Trichloroethane	4.92	97	70334	21.16	ug/l	99
36) 1,1-Dichloropropene	5.14	75	50975	18.19	ug/l	98
37) Ethyl Acetate	4.38	43	61914	19.81	ug/l	98
38) Carbon Tetrachloride	5.14	117	59431	19.70	ug/l	98

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 Misc : 5.0mL/MSVOA U/WATER
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Instrument :
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 ClientSampleId :
 VU0712WBS03

Quant Time: Jul 13 04:35:06 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	60728	17.37	ug/l	97
40) Benzene	5.39	78	158599	19.64	ug/l	96
41) Methacrylonitrile	4.55	41	36310	20.95	ug/l	98
42) 1,2-Dichloroethane	5.41	62	65499	20.40	ug/l	99
43) Isopropyl Acetate	5.55	43	102216	20.42	ug/l	100
44) Trichloroethene	6.19	130	43449	18.74	ug/l	99
45) 1,2-Dichloropropane	6.44	63	42673	20.17	ug/l	99
46) Dibromomethane	6.56	93	30446	19.78	ug/l	100
47) Bromodichloromethane	6.76	83	57158	19.99	ug/l	99
48) Methyl methacrylate	6.63	41	51280	20.55	ug/l	99
49) 1,4-Dioxane	6.62	88	23717	395.02	ug/l	98
51) 4-Methyl-2-Pentanone	7.46	43	325144	99.95	ug/l	100
52) Toluene	7.64	92	99664	19.40	ug/l	100
53) t-1,3-Dichloropropene	7.88	75	57963	18.45	ug/l	100
54) cis-1,3-Dichloropropene	7.27	75	62287	18.63	ug/l	99
55) 1,1,2-Trichloroethane	8.07	97	42676	19.94	ug/l	99
56) Ethyl methacrylate	8.02	69	65638	19.64	ug/l	100
57) 1,3-Dichloropropane	8.25	76	71841	20.22	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.13	63	120283	80.97	ug/l	98
59) 2-Hexanone	8.36	43	249010	94.37	ug/l	99
60) Dibromochloromethane	8.48	129	45222	19.57	ug/l	99
61) 1,2-Dibromoethane	8.59	107	45577	19.90	ug/l	100
64) Tetrachloroethene	8.23	164	41689	19.71	ug/l	98
65) Chlorobenzene	9.12	112	114678	19.78	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.21	131	43784	21.11	ug/l	99
67) Ethyl Benzene	9.25	91	191458	19.37	ug/l	99
68) m/p-Xylenes	9.38	106	148862	38.96	ug/l	97
69) o-Xylene	9.78	106	76339	19.96	ug/l	98
70) Styrene	9.80	104	117534	19.34	ug/l	99
71) Bromoform	9.96	173	33060	19.57	ug/l #	99
73) Isopropylbenzene	10.17	105	203080	20.23	ug/l	99
74) N-amyl acetate	10.01	43	84563	21.33	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.46	83	68374	20.82	ug/l	97
76) 1,2,3-Trichloropropane	10.50	75	75856	28.36	ug/l	83
77) Bromobenzene	10.45	156	52690	20.52	ug/l	99
78) n-propylbenzene	10.59	91	219162	19.67	ug/l	100
79) 2-Chlorotoluene	10.66	91	138760	21.78	ug/l	99
80) 1,3,5-Trimethylbenzene	10.77	105	169339	20.05	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.50	75	75856	72.47	ug/l #	100
82) 4-Chlorotoluene	10.78	91	156097	19.79	ug/l	98
83) tert-Butylbenzene	11.10	119	171991	20.15	ug/l	98
84) 1,2,4-Trimethylbenzene	11.15	105	169542	19.58	ug/l	98
85) sec-Butylbenzene	11.33	105	201745	20.07	ug/l	100
86) p-Isopropyltoluene	11.48	119	172378	19.37	ug/l	100
87) 1,3-Dichlorobenzene	11.42	146	90748	19.33	ug/l	99
88) 1,4-Dichlorobenzene	11.51	146	89607	20.45	ug/l	97
89) n-Butylbenzene	11.89	91	130668	17.86	ug/l	100
90) Hexachloroethane	12.15	117	28014	18.59	ug/l	100
91) 1,2-Dichlorobenzene	11.88	146	95795	20.21	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	15649	19.65	ug/l	99

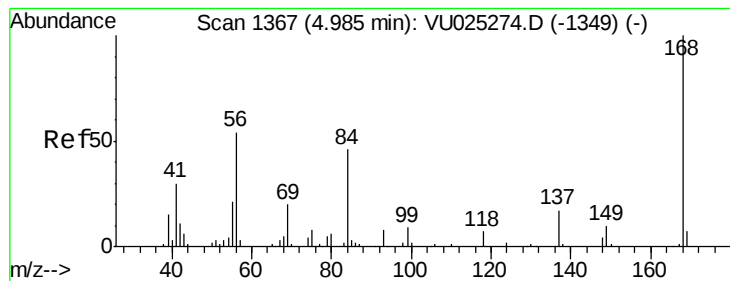
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU071218\
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Quant Time: Jul 13 04:35:06 2018
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Quant Title : SW846 8260
QLast Update : Tue Jul 10 09:34:16 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.51	180	52248	18.66	ug/l	98
94) Hexachlorobutadiene	13.70	225	30751	18.14	ug/l	98
95) Naphthalene	13.74	128	166702	18.86	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	56201	19.09	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. 0.00 min

Lab File: VU025361.D

Acq: 13 Jul 2018 00:49

Instrument :

MSVOA_U

ClientSampleId :

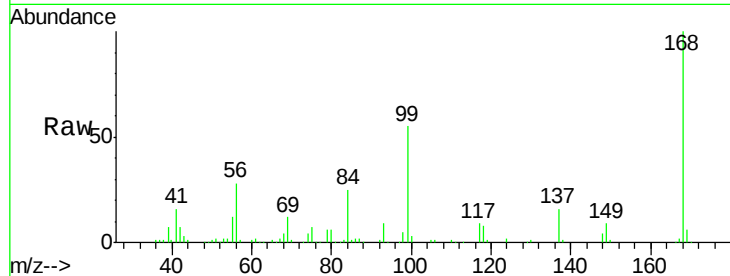
VU0712WBS03

Tot Ion:168 Resp: 163541

Ion Ratio Lower Upper

168 100

99 54.5 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

80000

60000

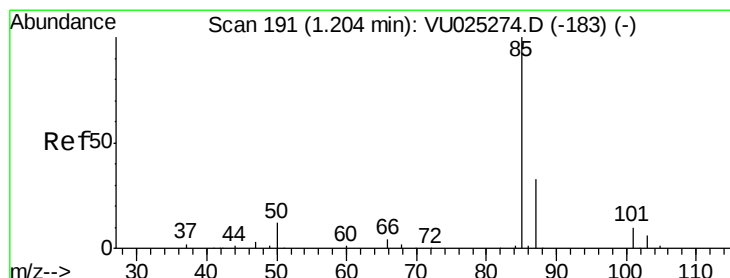
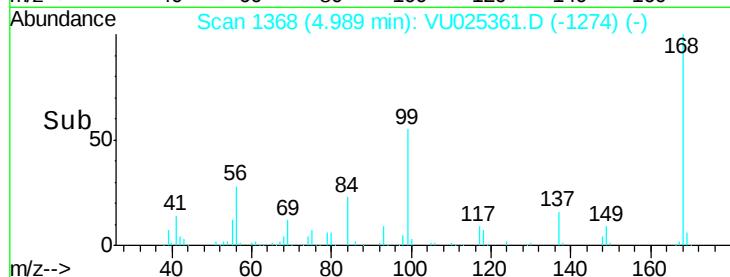
40000

20000

0

4.90 4.95 5.00 5.05

Time-->



#2

Dichlorodifluoromethane

Concen: 17.66 ug/l

RT: 1.20 min Scan# 191

Delta R.T. 0.00 min

Lab File: VU025361.D

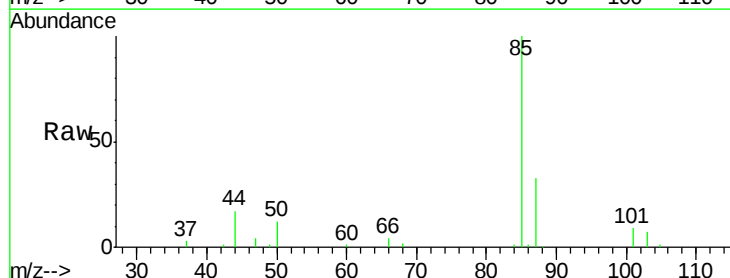
Acq: 13 Jul 2018 00:49

Tgt Ion: 85 Resp: 29888

Ion Ratio Lower Upper

85 100

87 33.4 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

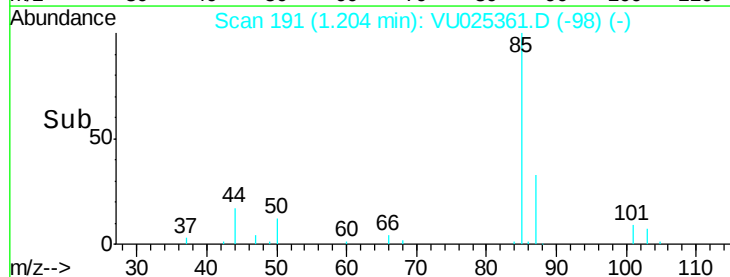
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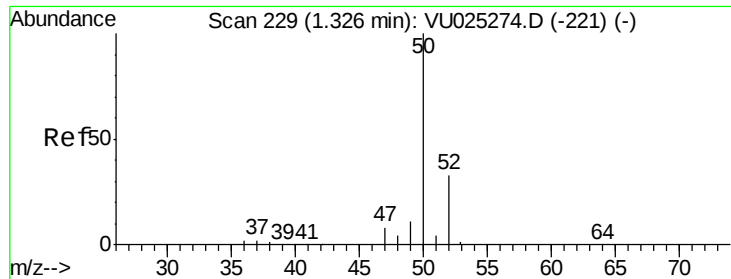
10000

0

1.15 1.20 1.25

Time-->

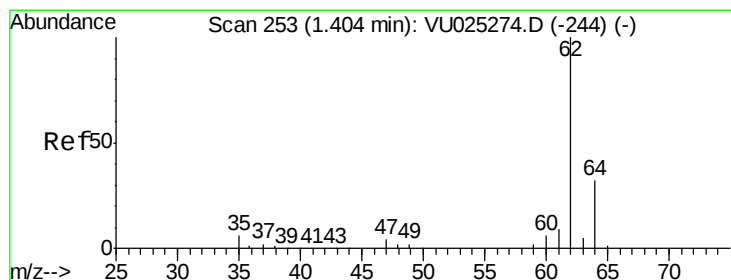
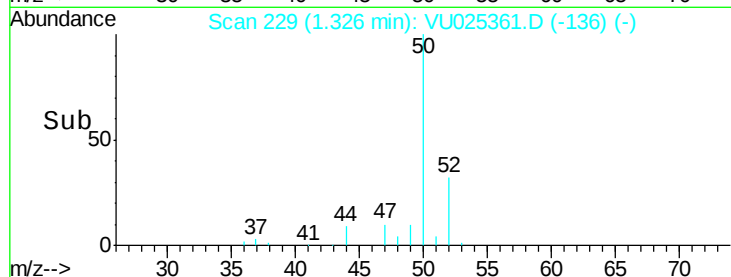
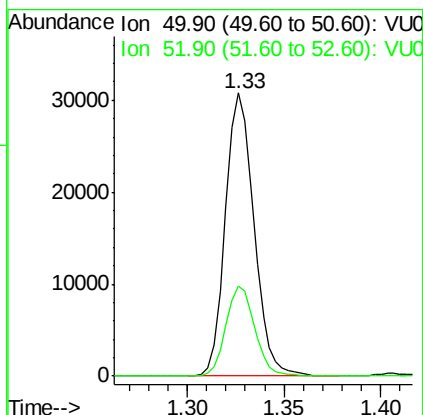
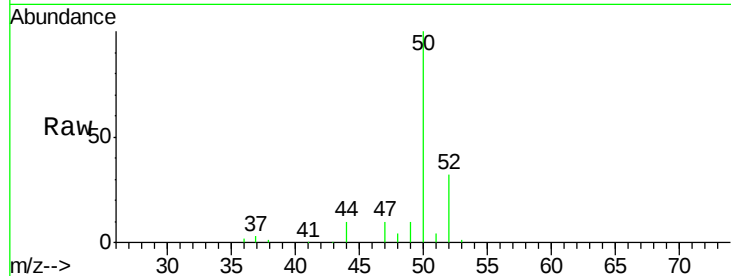




#3
Chloromethane
Concen: 19.07 ug/l
RT: 1.33 min Scan# 229
Delta R.T. 0.00 min
Lab File: VU025361.D
Acq: 13 Jul 2018 00:49

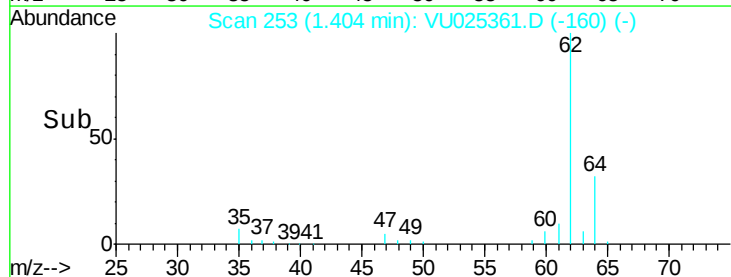
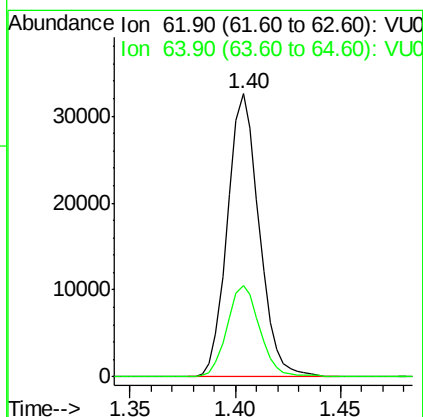
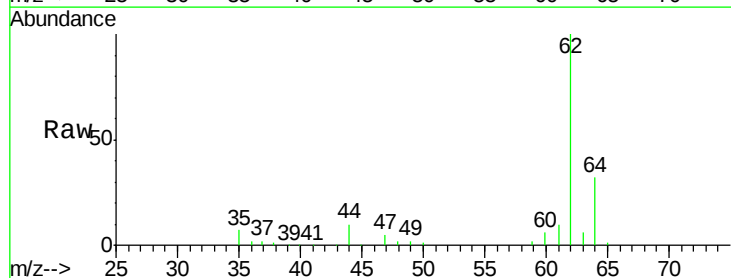
Instrument :
MSVOA_U
ClientSampleId :
VU0712WBS03

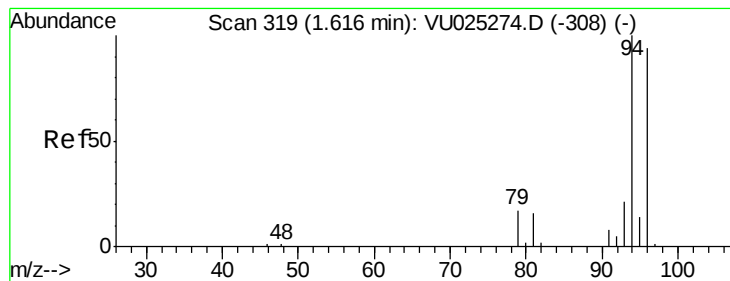
Tot Ion: 50 Resp: 31561
Ion Ratio Lower Upper
50 100
52 32.0 26.5 39.7



#4
Vinyl Chloride
Concen: 18.25 ug/l
RT: 1.40 min Scan# 253
Delta R.T. 0.00 min
Lab File: VU025361.D
Acq: 13 Jul 2018 00:49

Tgt Ion: 62 Resp: 33945
Ion Ratio Lower Upper
62 100
64 32.4 25.4 38.0





#5

Bromomethane

Concen: 21.32 ug/l

RT: 1.62 min Scan# 321

Delta R.T. 0.01 min

Lab File: VU025361.D

Acq: 13 Jul 2018 00:49

Instrument :

MSVOA_U

ClientSampleId :

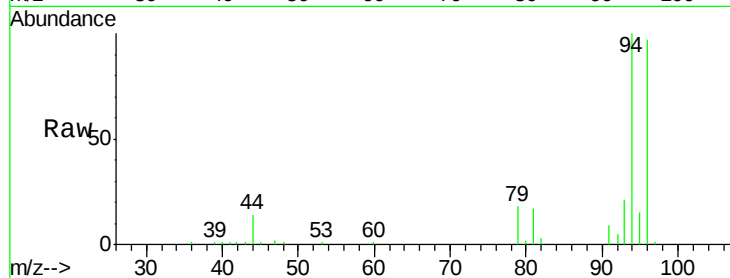
VU0712WBS03

Tot Ion: 94 Resp: 23154

Ion Ratio Lower Upper

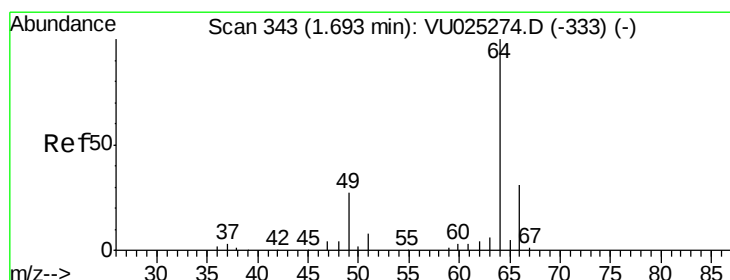
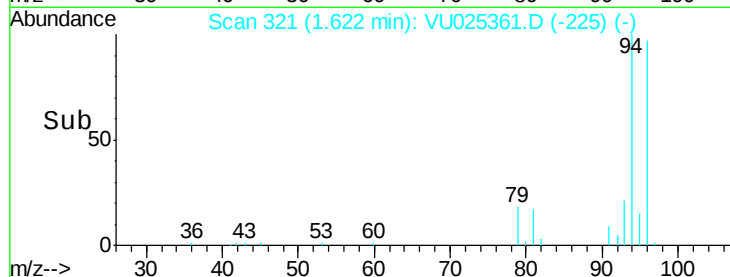
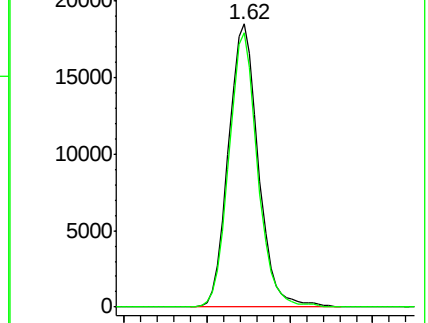
94 100

96 97.1 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: 20.17 ug/l

RT: 1.70 min Scan# 344

Delta R.T. 0.00 min

Lab File: VU025361.D

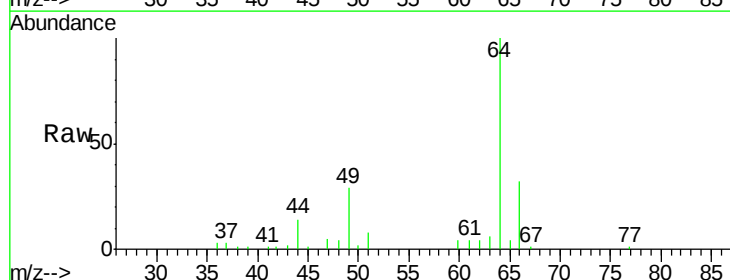
Acq: 13 Jul 2018 00:49

Tgt Ion: 64 Resp: 23648

Ion Ratio Lower Upper

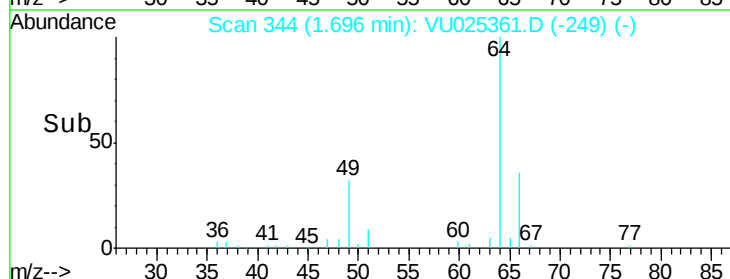
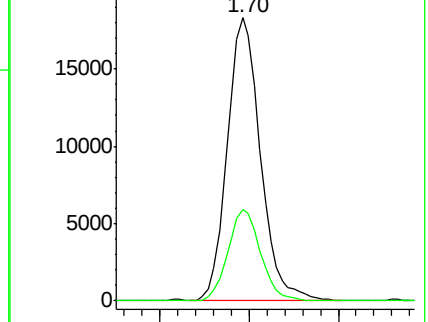
64 100

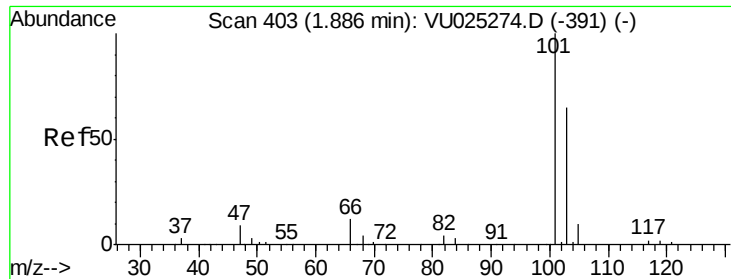
66 32.4 25.0 37.4



Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0



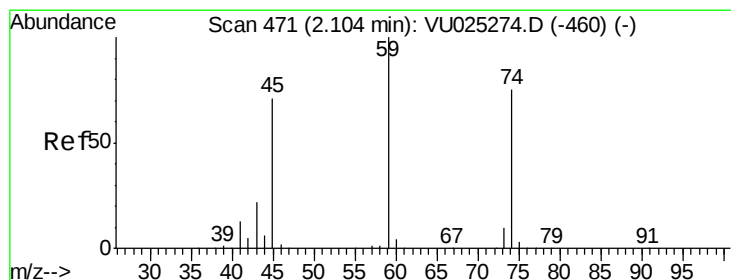
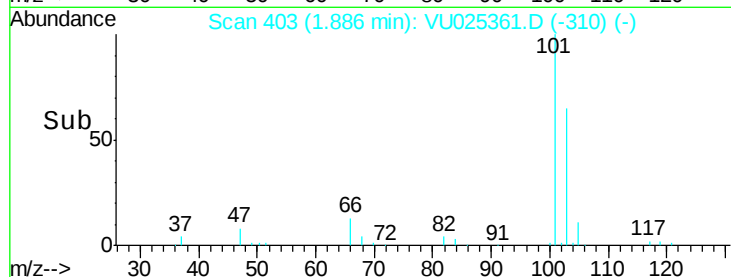
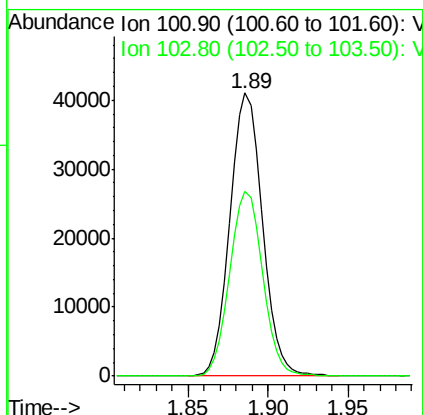
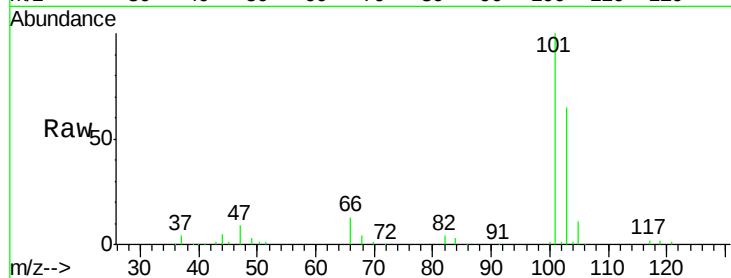


#7

Trichlorofluoromethane
 Concen: 19.39 ug/l
 RT: 1.89 min Scan# 403
 Delta R.T. 0.00 min
 Lab File: VU025361.D
 Acq: 13 Jul 2018 00:49

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0712WBS03

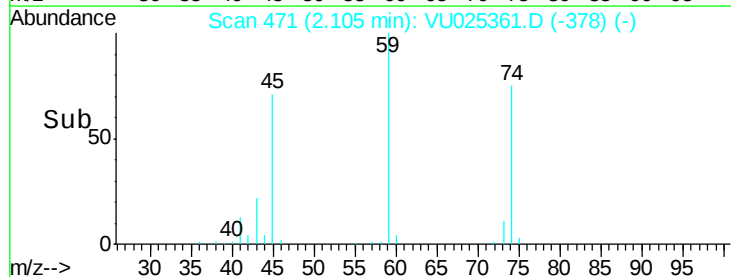
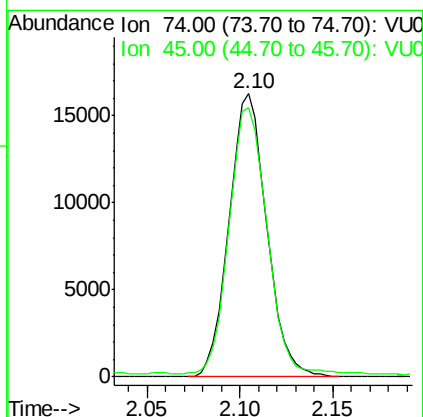
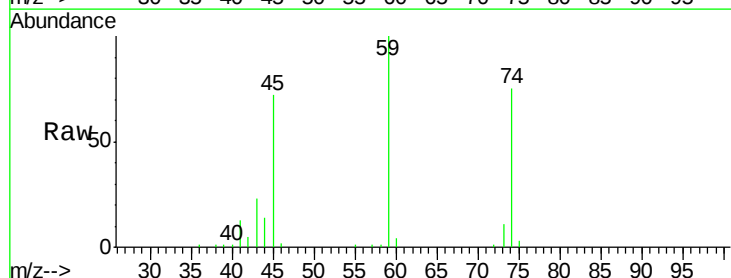
Tot Ion:101 Resp: 56668
 Ion Ratio Lower Upper
 101 100
 103 65.5 52.2 78.2

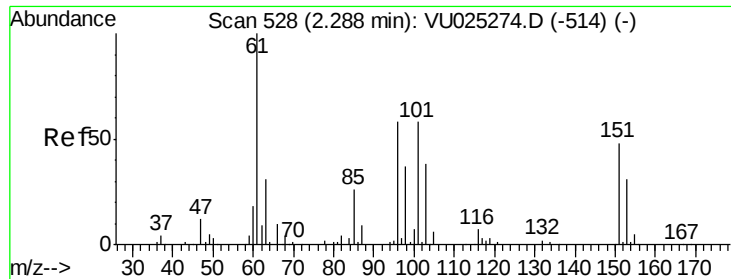


#8

Diethyl Ether
 Concen: 20.86 ug/l
 RT: 2.10 min Scan# 471
 Delta R.T. 0.00 min
 Lab File: VU025361.D
 Acq: 13 Jul 2018 00:49

Tgt Ion: 74 Resp: 22881
 Ion Ratio Lower Upper
 74 100
 45 95.6 48.3 144.9

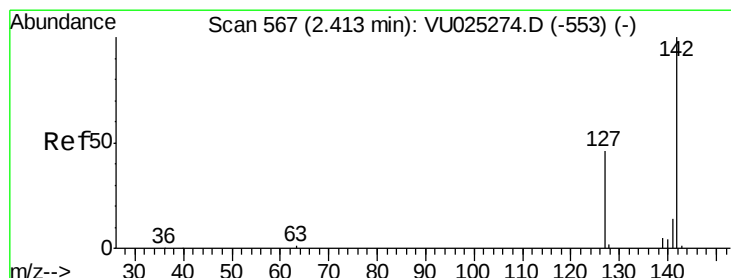
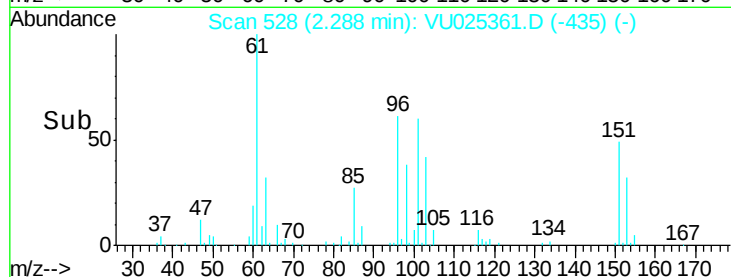
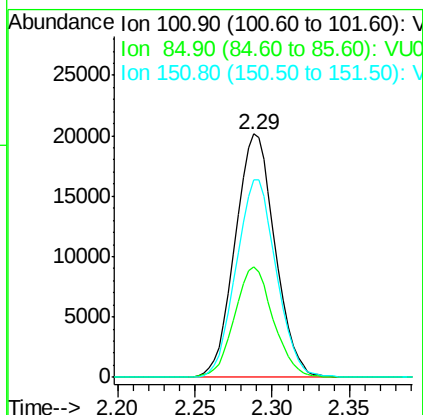
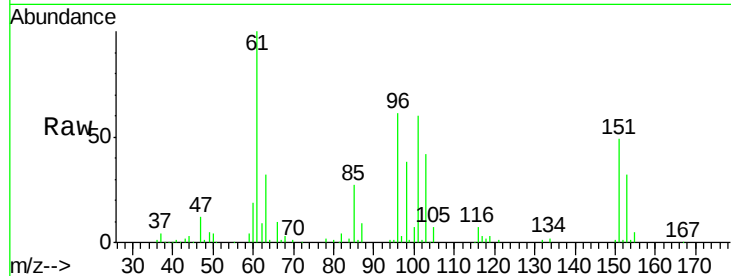




#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 19.95 ug/l
 RT: 2.29 min Scan# 528
 Delta R.T. 0.00 min
 Lab File: VU025361.D
 Acq: 13 Jul 2018 00:49

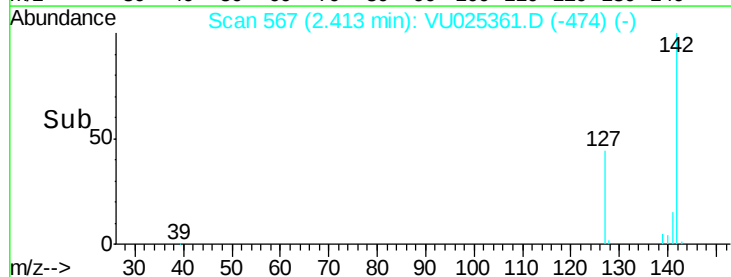
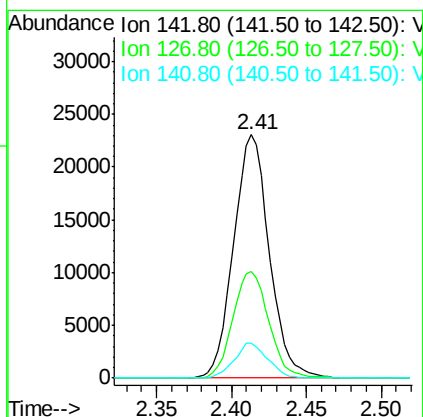
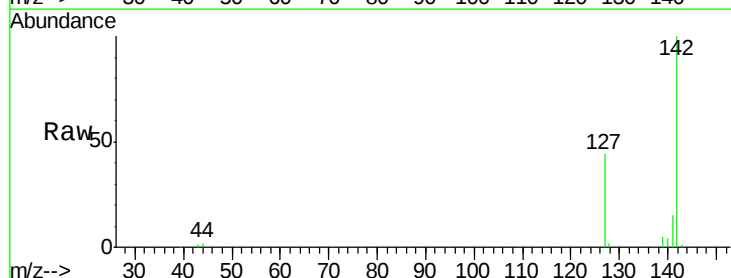
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0712WBS03

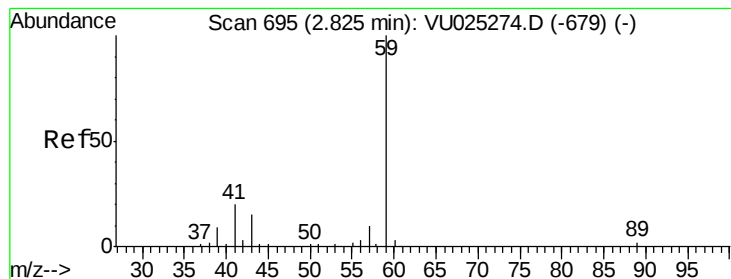
Tot Ion:101 Resp: 36138
 Ion Ratio Lower Upper
 101 100
 85 44.1 36.0 54.0
 151 81.7 65.6 98.4



#10
 Methyl Iodide
 Concen: 23.67 ug/l
 RT: 2.41 min Scan# 567
 Delta R.T. 0.00 min
 Lab File: VU025361.D
 Acq: 13 Jul 2018 00:49

Tgt Ion:142 Resp: 38259
 Ion Ratio Lower Upper
 142 100
 127 44.1 36.5 54.7
 141 13.5 11.4 17.2



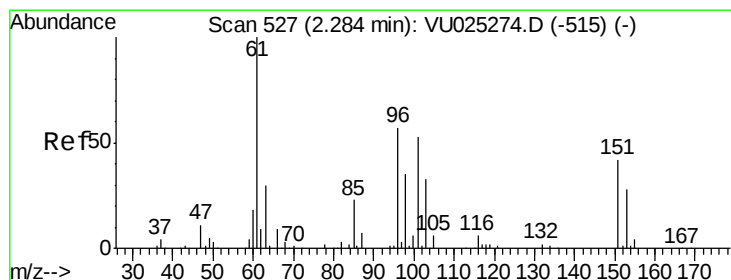
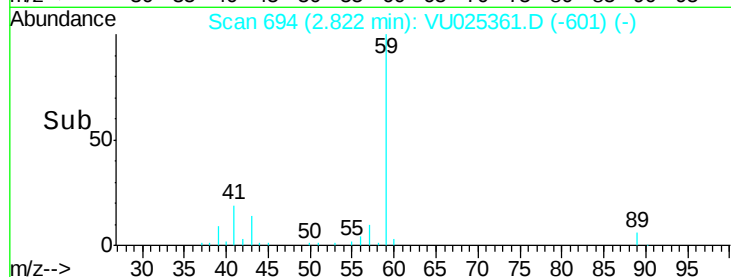
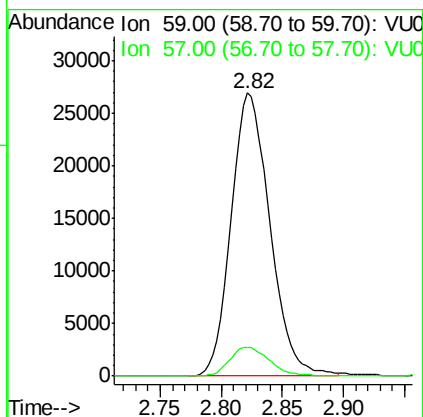
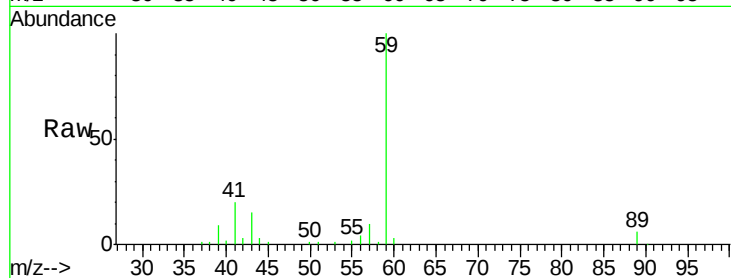


#11

Tert butyl alcohol
 Concen: 107.26 ug/l
 RT: 2.82 min Scan# 694
 Delta R.T. -0.00 min
 Lab File: VU025361.D
 Acq: 13 Jul 2018 00:49

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0712WBS03

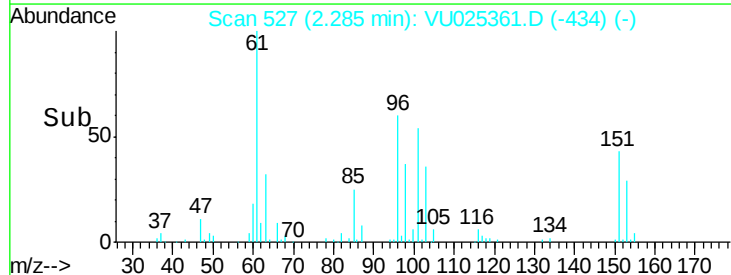
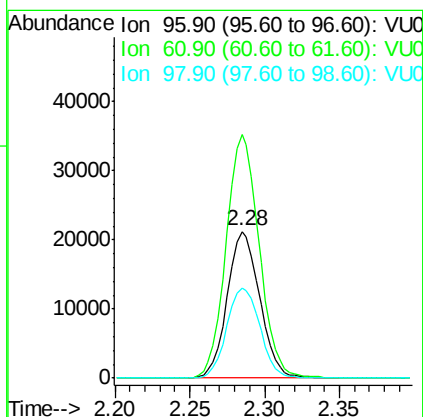
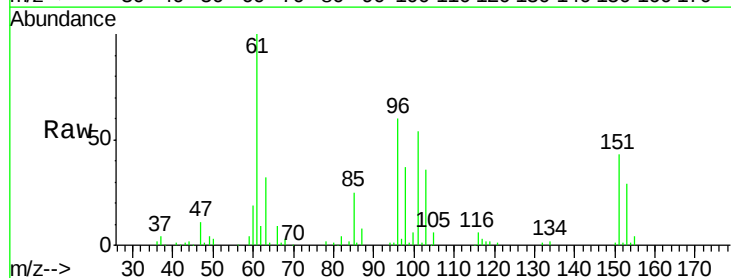
Tot Ion: 59 Resp: 59453
 Ion Ratio Lower Upper
 59 100
 57 10.5 8.2 12.2

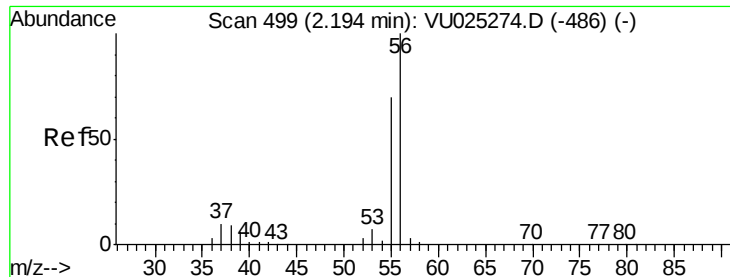


#12

1,1-Dichloroethene
 Concen: 19.40 ug/l
 RT: 2.28 min Scan# 527
 Delta R.T. 0.00 min
 Lab File: VU025361.D
 Acq: 13 Jul 2018 00:49

Tgt Ion: 96 Resp: 32160
 Ion Ratio Lower Upper
 96 100
 61 166.2 140.2 210.4
 98 61.6 49.3 73.9





#13

Acrolein

Concen: 46.14 ug/l

RT: 2.19 min Scan# 499

Delta R.T. 0.00 min

Lab File: VU025361.D

Acq: 13 Jul 2018 00:49

Instrument :

MSVOA_U

ClientSampleId :

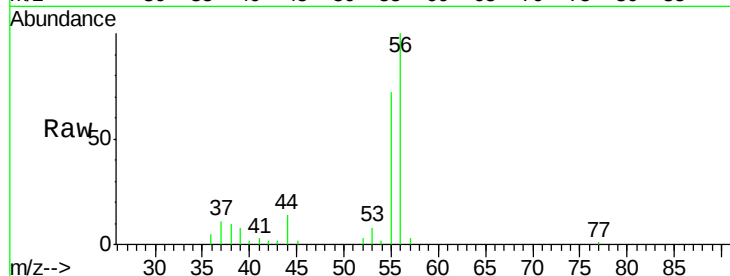
VU0712WBS03

Tot Ion: 56 Resp: 16918

Ion Ratio Lower Upper

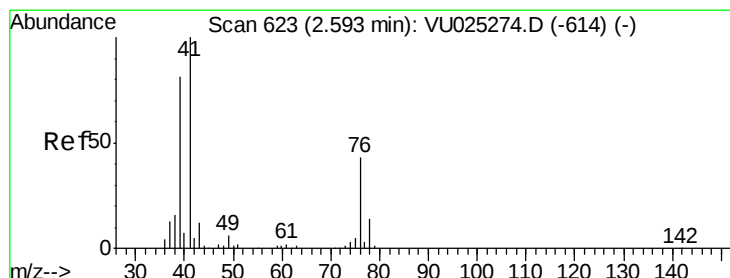
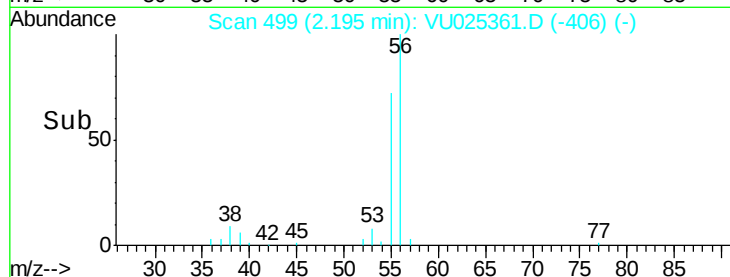
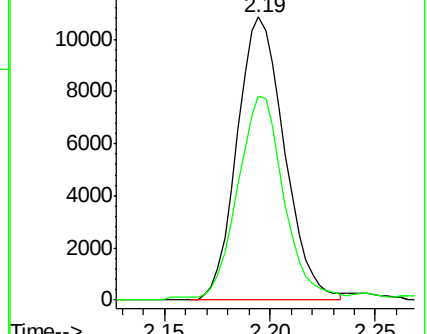
56 100

55 67.7 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: 18.22 ug/l

RT: 2.59 min Scan# 623

Delta R.T. 0.00 min

Lab File: VU025361.D

Acq: 13 Jul 2018 00:49

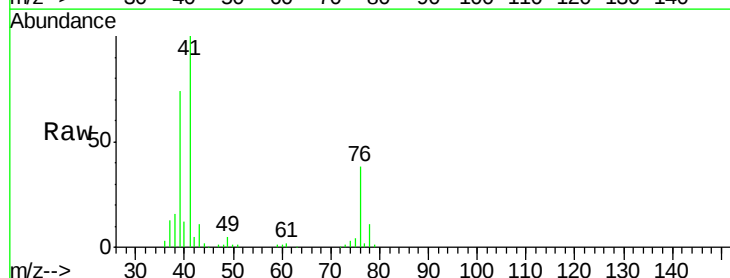
Tgt Ion: 41 Resp: 54772

Ion Ratio Lower Upper

41 100

39 78.1 60.6 91.0

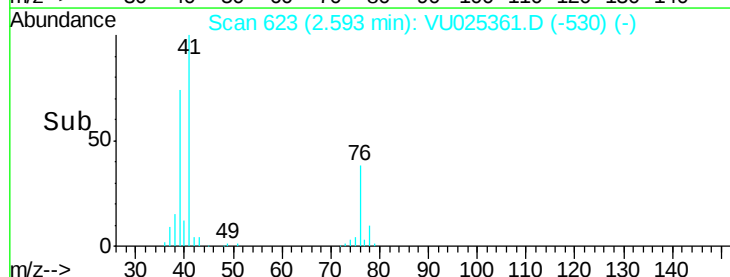
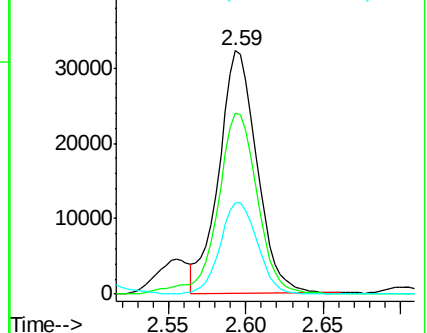
76 37.1 30.5 45.7

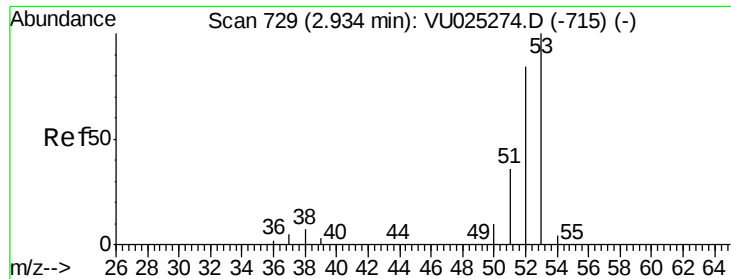


Abundance Ion 41.00 (40.70 to 41.70): VU0

Ion 39.00 (38.70 to 39.70): VU0

Ion 75.90 (75.60 to 76.60): VU0





#15

Acrylonitrile

Concen: 102.28 ug/l

RT: 2.94 min Scan# 730

Delta R.T. 0.00 min

Lab File: VU025361.D

Acq: 13 Jul 2018 00:49

Instrument :

MSVOA_U

ClientSampleId :

VU0712WBS03

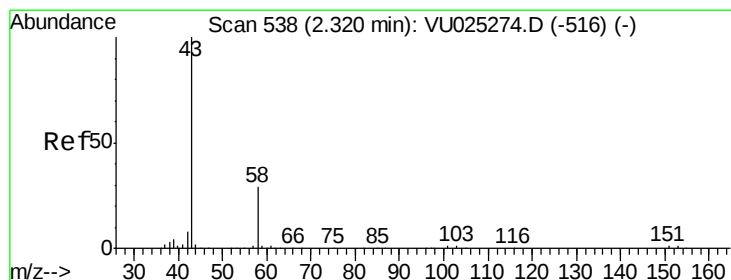
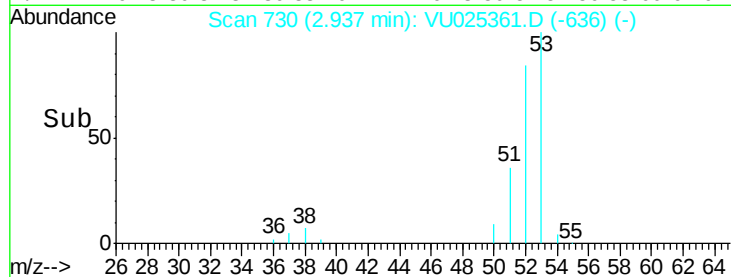
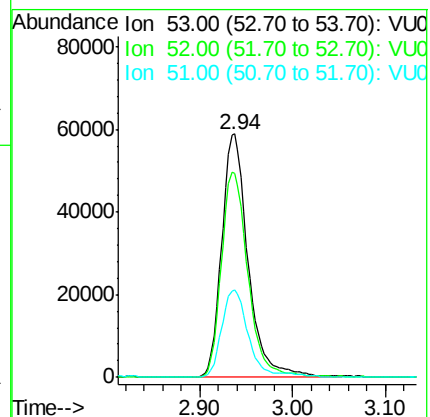
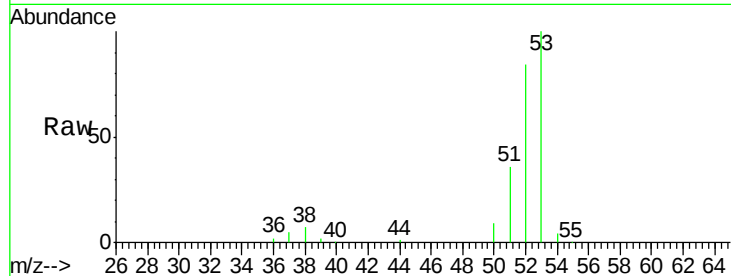
Tot Ion: 53 Resp: 116556

Ion Ratio Lower Upper

53 100

52 84.8 66.6 99.8

51 35.4 29.4 44.2



#16

Acetone

Concen: 91.05 ug/l

RT: 2.32 min Scan# 538

Delta R.T. 0.00 min

Lab File: VU025361.D

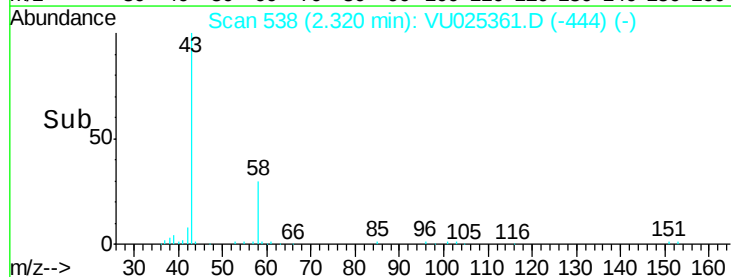
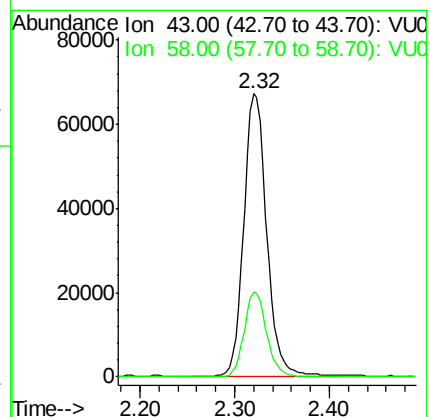
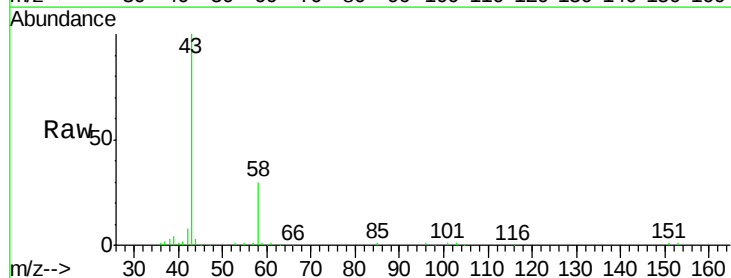
Acq: 13 Jul 2018 00:49

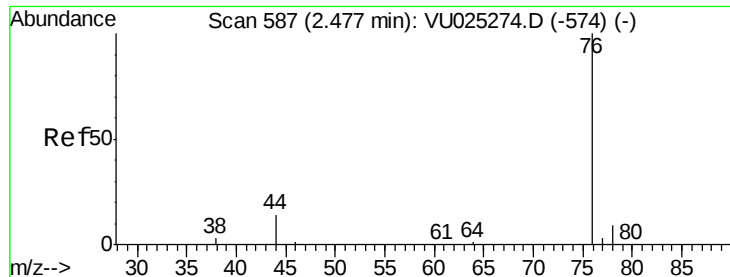
Tgt Ion: 43 Resp: 113959

Ion Ratio Lower Upper

43 100

58 30.2 23.1 34.7

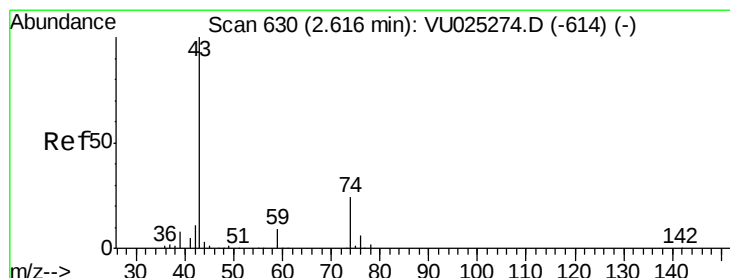
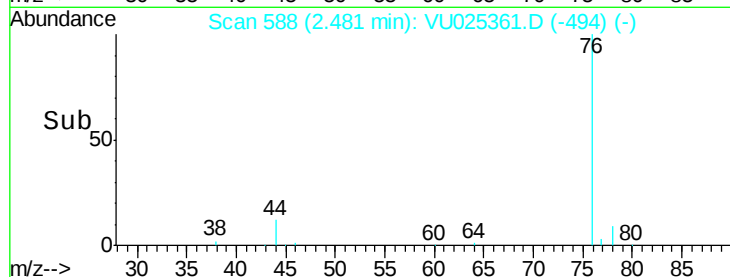
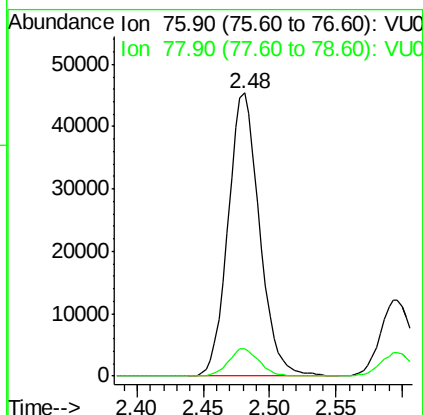
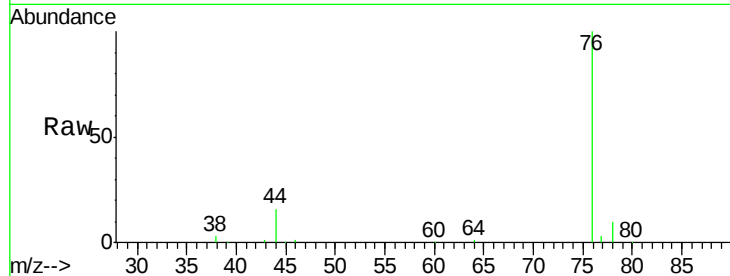




#17
Carbon Disulfide
Concen: 16.77 ug/l
RT: 2.48 min Scan# 588
Delta R.T. 0.00 min
Lab File: VU025361.D
Acq: 13 Jul 2018 00:49

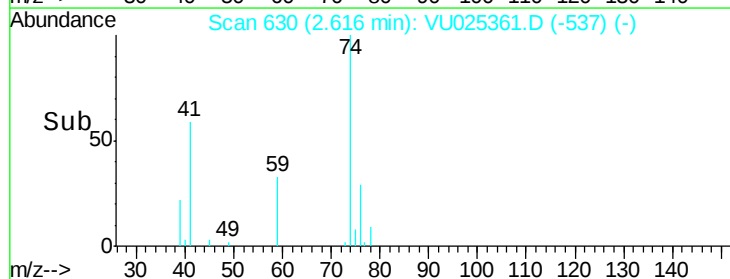
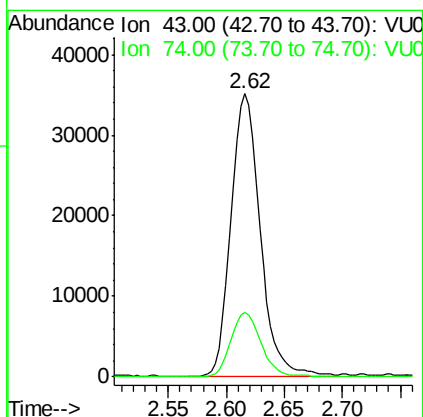
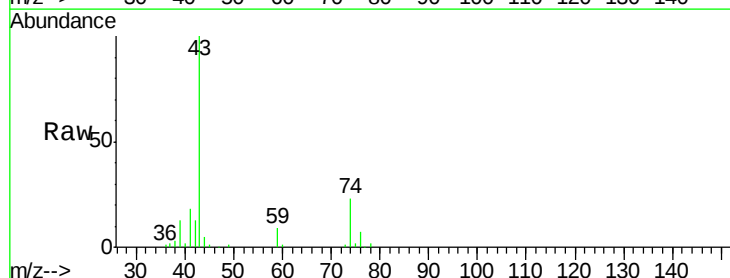
Instrument :
MSVOA_U
ClientSampleId :
VU0712WBS03

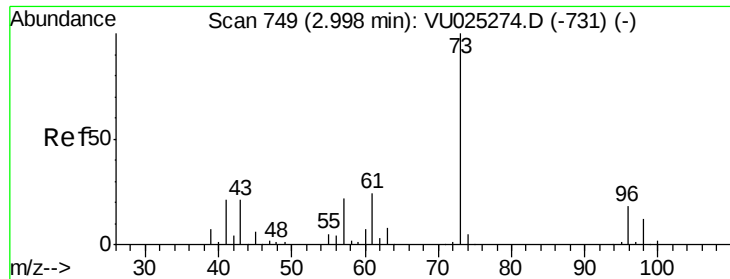
Tot Ion: 76 Resp: 74752
Ion Ratio Lower Upper
76 100
78 9.7 7.4 11.2



#18
Methyl Acetate
Concen: 23.66 ug/l
RT: 2.62 min Scan# 630
Delta R.T. 0.00 min
Lab File: VU025361.D
Acq: 13 Jul 2018 00:49

Tgt Ion: 43 Resp: 61554
Ion Ratio Lower Upper
43 100
74 23.5 18.5 27.7

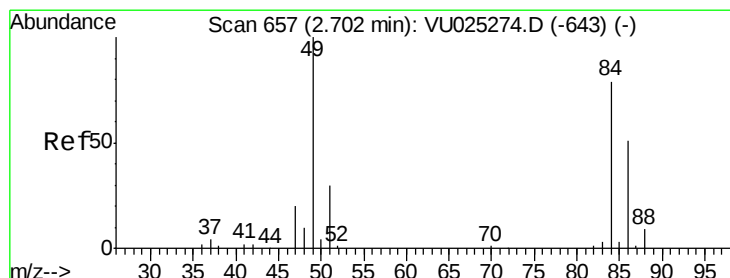
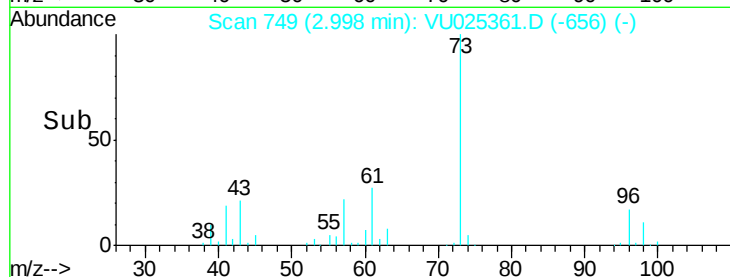
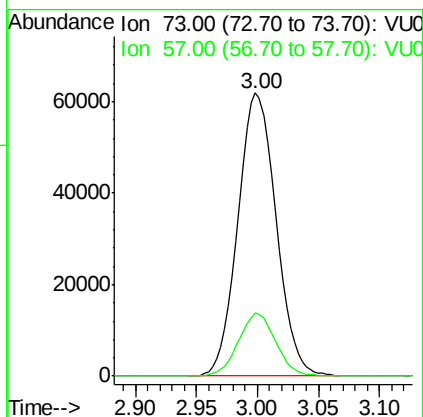
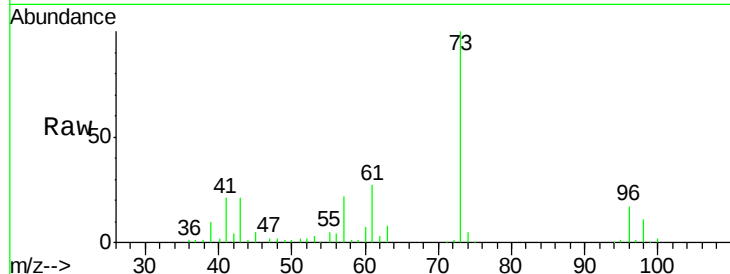




#19
Methvl tert-butvl Ether
Concen: 21.28 ug/l
RT: 3.00 min Scan# 749
Delta R.T. 0.00 min
Lab File: VU025361.D
Acq: 13 Jul 2018 00:49

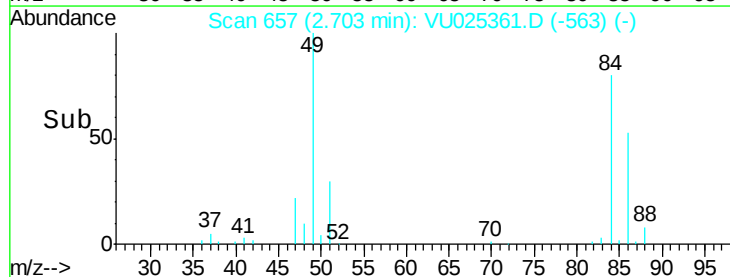
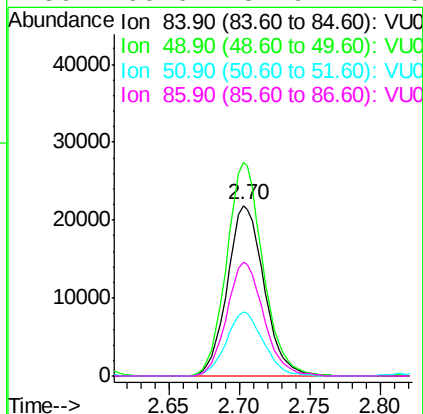
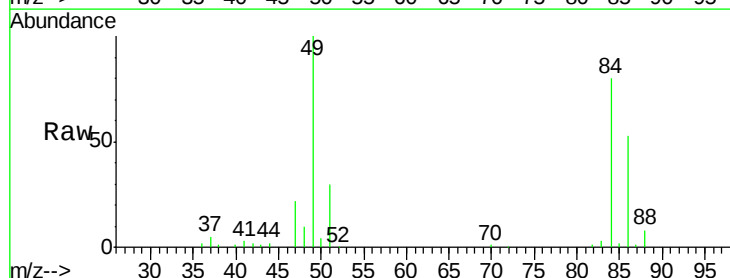
Instrument :
MSVOA_U
ClientSampleId :
VU0712WBS03

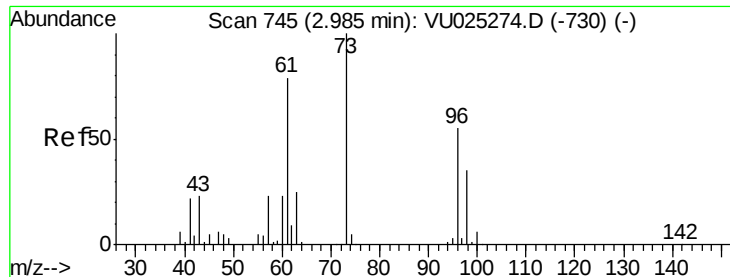
Tot Ion: 73 Resp: 134206
Ion Ratio Lower Upper
73 100
57 22.1 17.4 26.2



#20
Methylene Chloride
Concen: 20.72 ug/l
RT: 2.70 min Scan# 657
Delta R.T. 0.00 min
Lab File: VU025361.D
Acq: 13 Jul 2018 00:49

Tgt Ion: 84 Resp: 39915
Ion Ratio Lower Upper
84 100
49 125.3 101.8 152.6
51 37.5 30.8 46.2
86 66.6 51.9 77.9





#21

trans-1,2-Dichloroethene

Concen: 18.29 ug/l

RT: 2.99 min Scan# 745

Delta R.T. 0.00 min

Lab File: VU025361.D

Acq: 13 Jul 2018 00:49

Instrument :

MSVOA_U

ClientSampleId :

VU0712WBS03

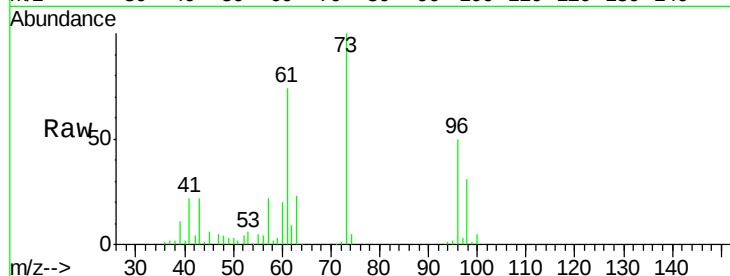
Tot Ion: 96 Resp: 34650

Ion Ratio Lower Upper

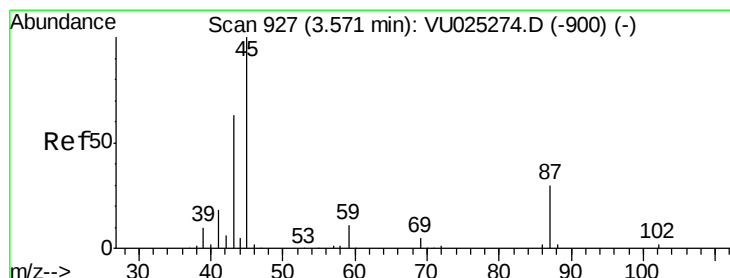
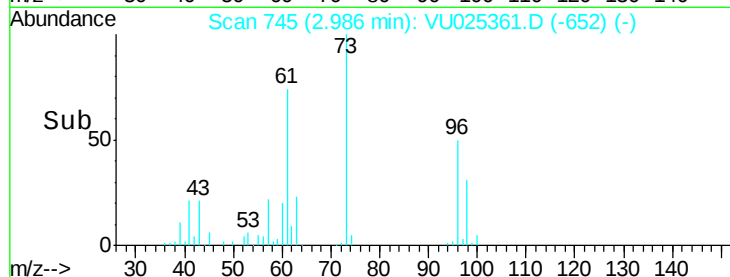
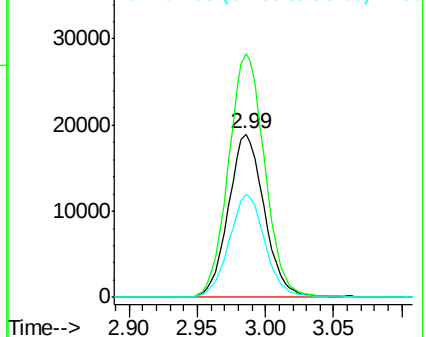
96 100

61 149.1 114.5 171.7

98 62.9 50.5 75.7



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



#22

Diisopropyl ether

Concen: 21.26 ug/l

RT: 3.57 min Scan# 927

Delta R.T. 0.00 min

Lab File: VU025361.D

Acq: 13 Jul 2018 00:49

Tgt Ion: 45 Resp: 130540

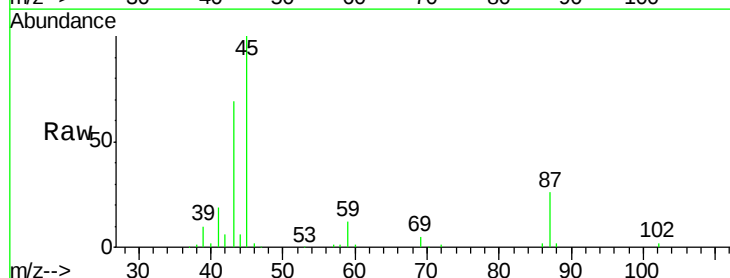
Ion Ratio Lower Upper

45 100

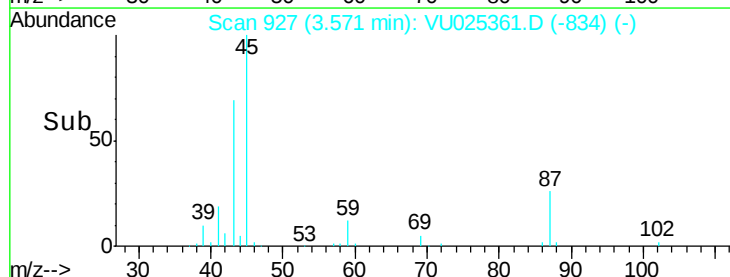
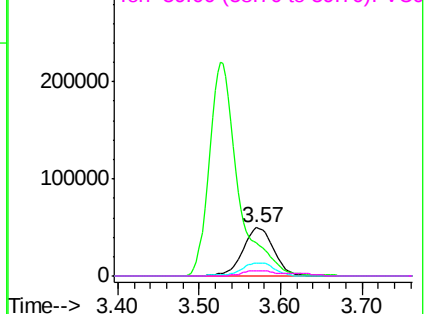
43 67.8 50.9 76.3

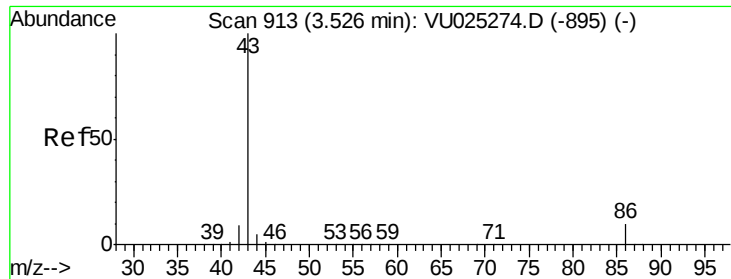
87 26.5 23.8 35.8

59 12.0 9.0 13.4



Abundance Ion 45.00 (44.70 to 45.70): VU0
Ion 43.00 (42.70 to 43.70): VU0
Ion 87.00 (86.70 to 87.70): VU0
Ion 59.00 (58.70 to 59.70): VU0





#23

Vinyl Acetate

Concen: 101.11 ug/l

RT: 3.53 min Scan# 913

Delta R.T. 0.00 min

Lab File: VU025361.D

Acq: 13 Jul 2018 00:49

Instrument :

MSVOA_U

ClientSampleId :

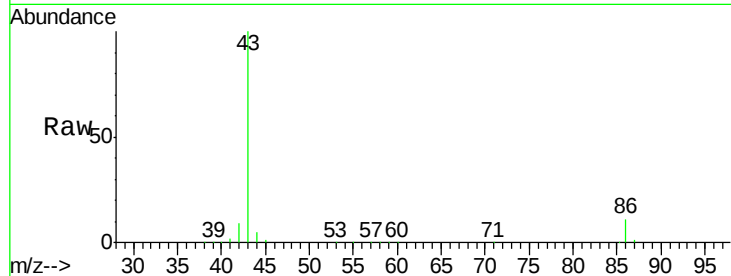
VU0712WBS03

Tot Ion: 43 Resp: 544558

Ion Ratio Lower Upper

43 100

86 10.6 8.2 12.2



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 86.00 (85.70 to 86.70): VU0

3.53

250000

200000

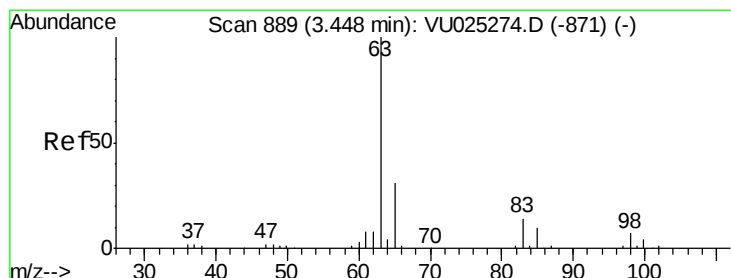
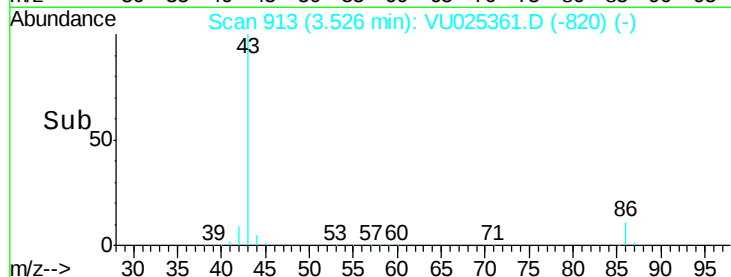
150000

100000

50000

0

Time-->



#24

1,1-Dichloroethane

Concen: 21.42 ug/l

RT: 3.45 min Scan# 889

Delta R.T. 0.00 min

Lab File: VU025361.D

Acq: 13 Jul 2018 00:49

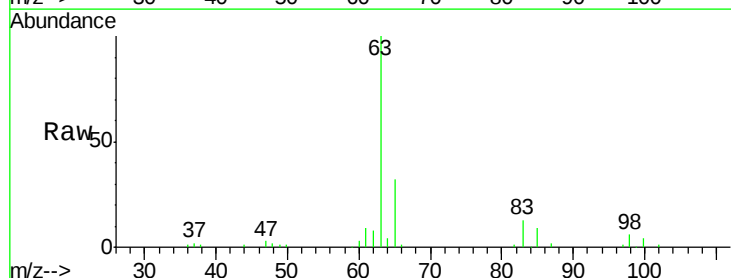
Tgt Ion: 63 Resp: 74164

Ion Ratio Lower Upper

63 100

98 5.9 3.4 10.1

100 3.8 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

40000

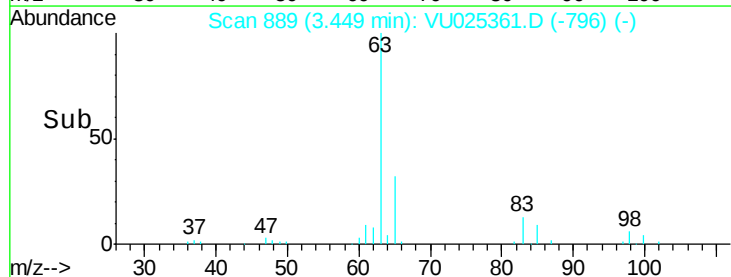
30000

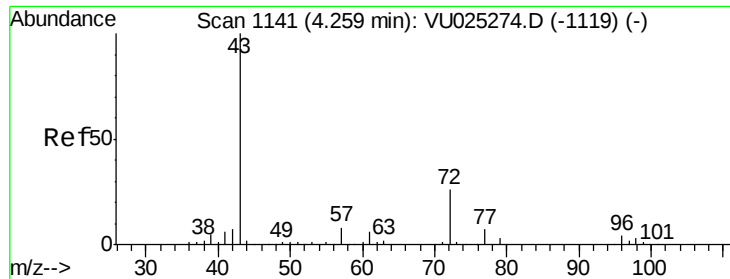
20000

10000

0

Time-->





#25

2-Butanone

Concen: 97.13 ug/l

RT: 4.26 min Scan# 1141

Delta R.T. 0.00 min

Lab File: VU025361.D

Acq: 13 Jul 2018 00:49

Instrument :

MSVOA_U

ClientSampleId :

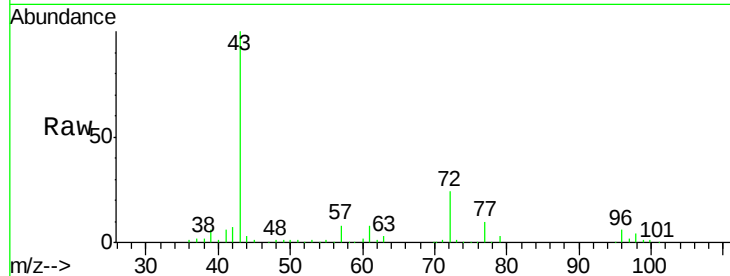
VU0712WBS03

Tot Ion: 43 Resp: 171052

Ion Ratio Lower Upper

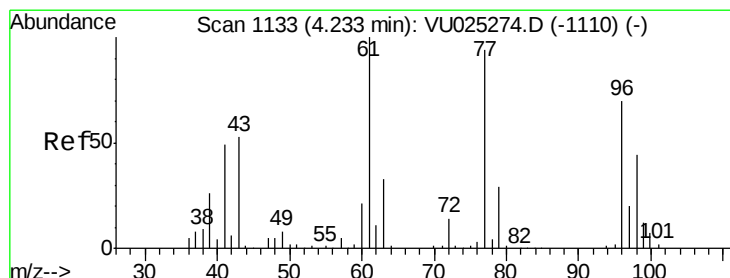
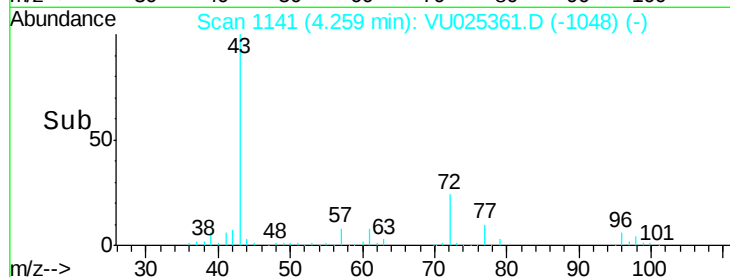
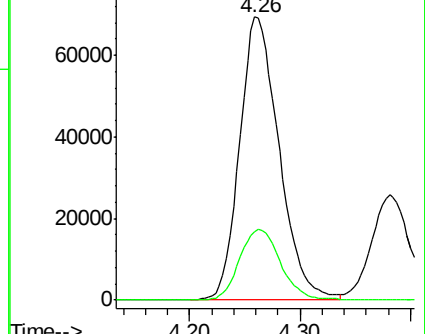
43 100

72 24.4 21.0 31.4



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 72.00 (71.70 to 72.70): VU0



#26

2,2-Dichloropropane

Concen: 15.85 ug/l

RT: 4.23 min Scan# 1132

Delta R.T. -0.00 min

Lab File: VU025361.D

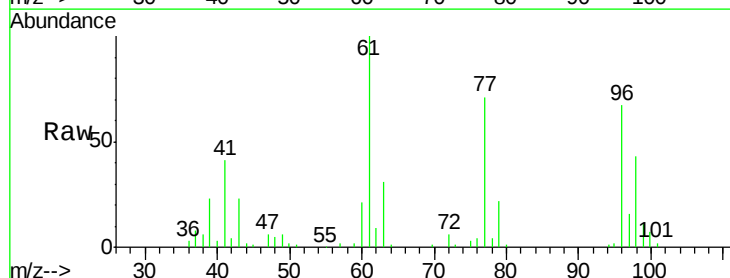
Acq: 13 Jul 2018 00:49

Tgt Ion: 77 Resp: 52780

Ion Ratio Lower Upper

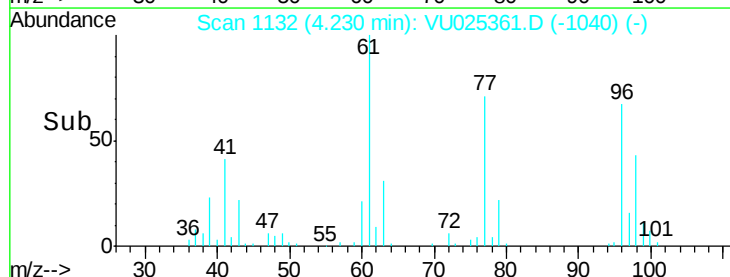
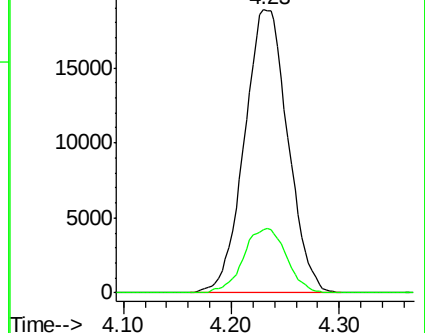
77 100

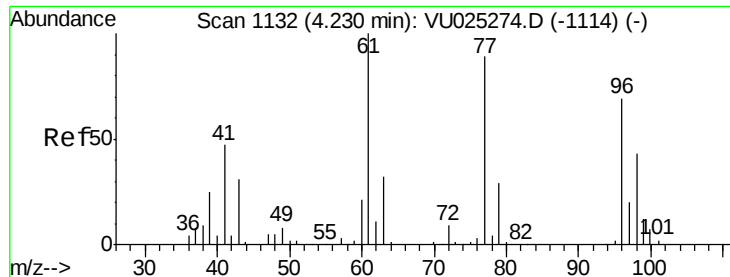
97 22.4 11.2 33.5



Abundance Ion 76.90 (76.60 to 77.60): VU0

Ion 96.90 (96.60 to 97.60): VU0





#27

cis-1,2-Dichloroethene

Concen: 19.90 ug/l

RT: 4.23 min Scan# 1132

Delta R.T. 0.00 min

Lab File: VU025361.D

Acq: 13 Jul 2018 00:49

Instrument :

MSVOA_U

ClientSampleId :

VU0712WBS03

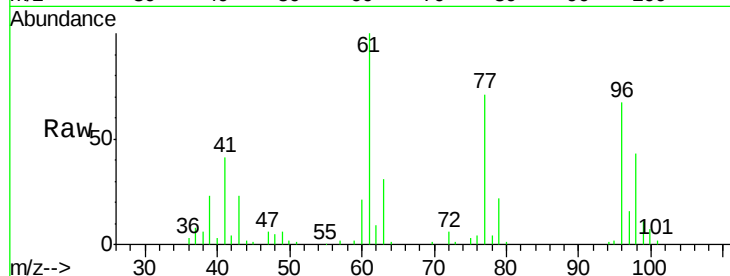
Tot Ion: 96 Resp: 43612

Ion Ratio Lower Upper

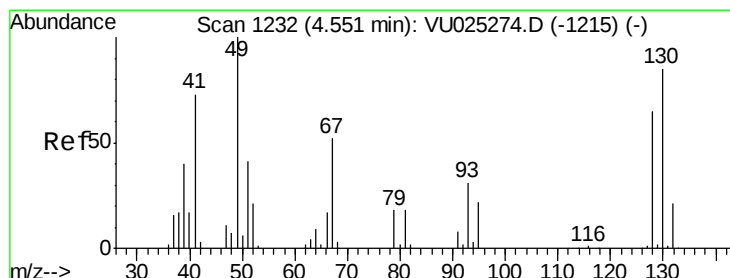
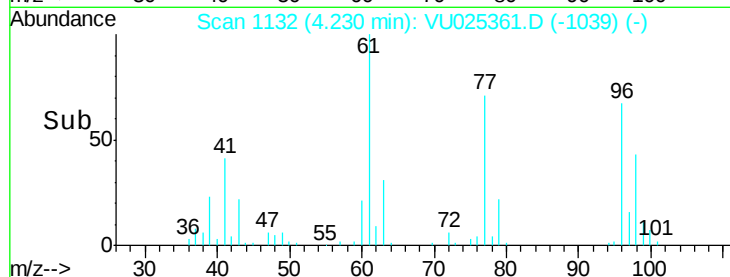
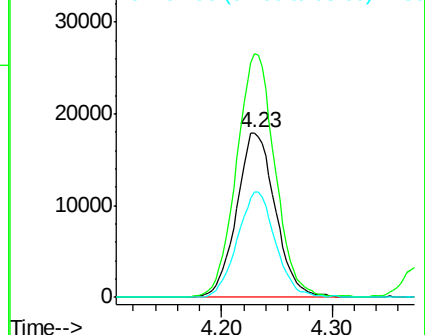
96 100

61 147.2 0.0 299.8

98 62.8 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: 21.45 ug/l

RT: 4.55 min Scan# 1232

Delta R.T. 0.00 min

Lab File: VU025361.D

Acq: 13 Jul 2018 00:49

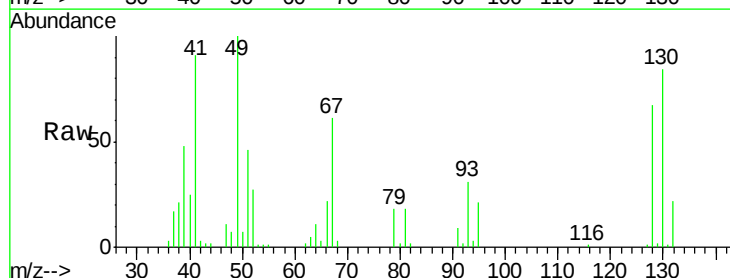
Tgt Ion: 49 Resp: 35867

Ion Ratio Lower Upper

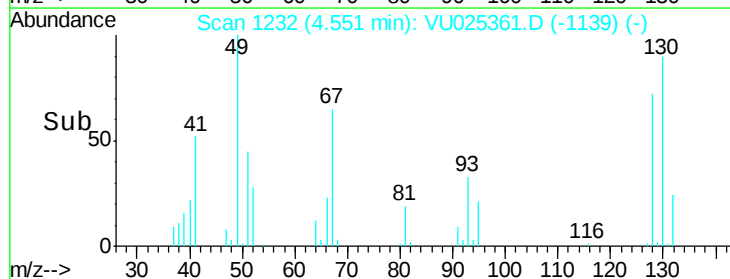
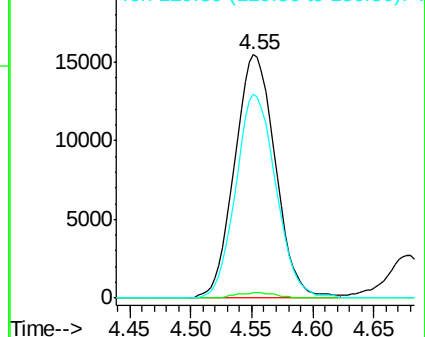
49 100

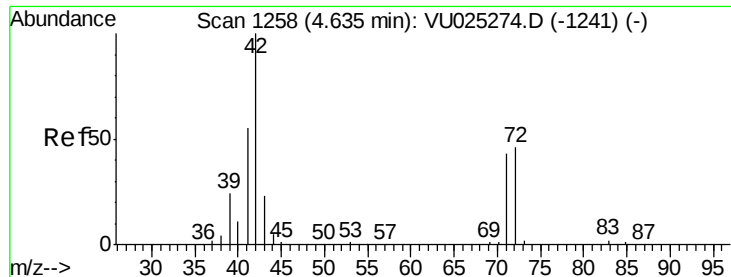
129 2.1 0.0 4.6

130 82.2 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: 103.98 ug/l

RT: 4.64 min Scan# 1258

Delta R.T. 0.00 min

Lab File: VU025361.D

Acq: 13 Jul 2018 00:49

Instrument :

MSVOA_U

ClientSampleId :

VU0712WBS03

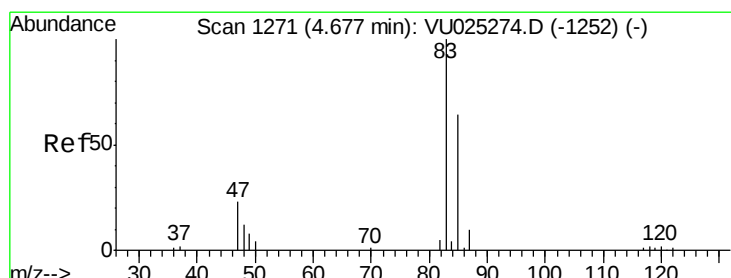
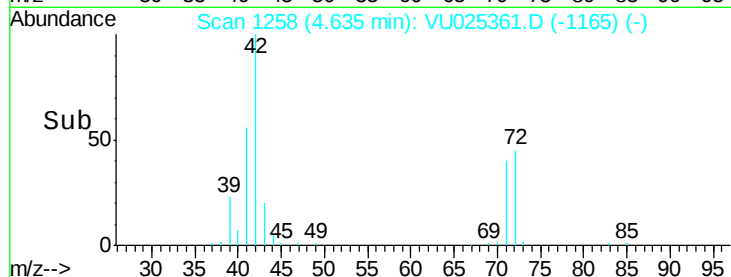
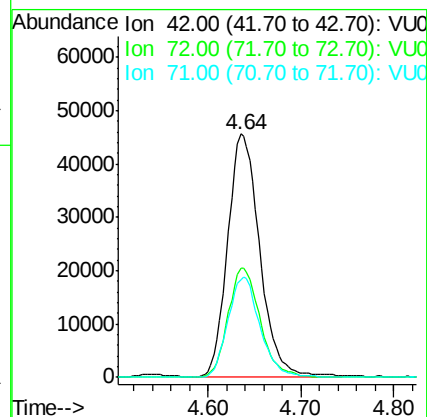
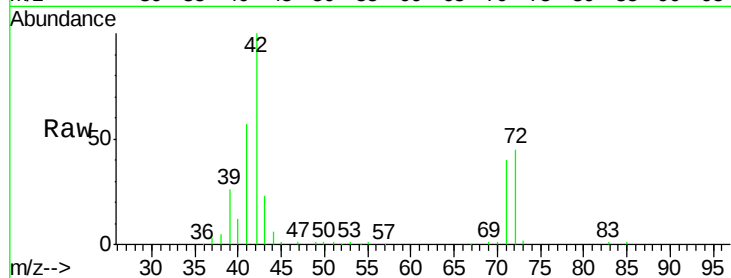
Tot Ion: 42 Resp: 109835

Ion Ratio Lower Upper

42 100

72 44.9 36.7 55.1

71 40.9 33.9 50.9



#30

Chloroform

Concen: 21.11 ug/l

RT: 4.68 min Scan# 1271

Delta R.T. 0.00 min

Lab File: VU025361.D

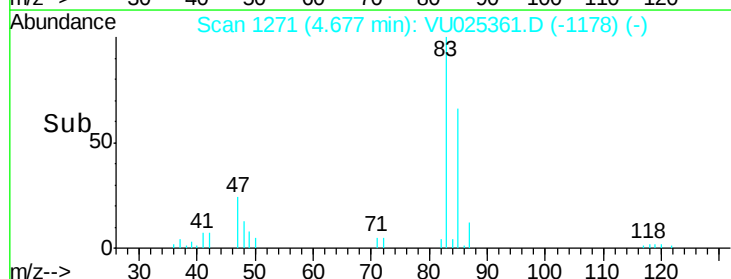
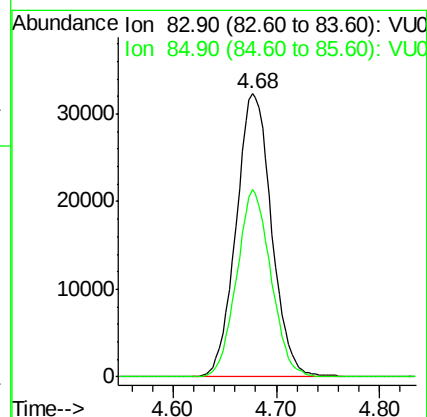
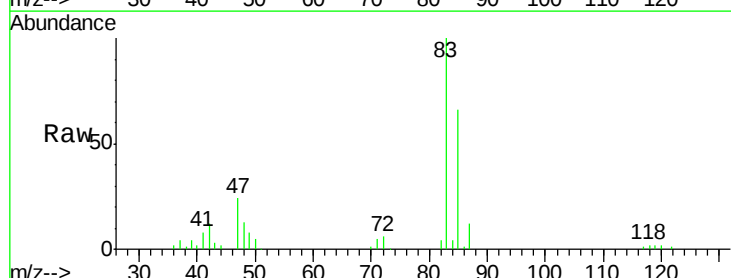
Acq: 13 Jul 2018 00:49

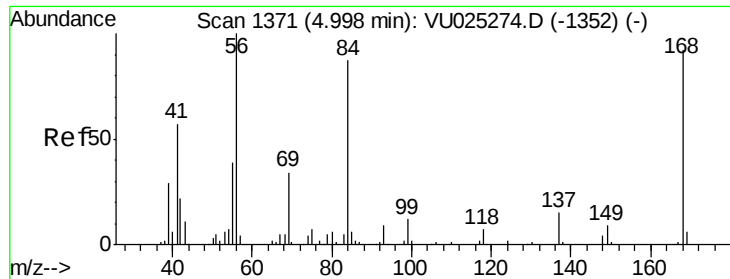
Tgt Ion: 83 Resp: 77403

Ion Ratio Lower Upper

83 100

85 66.2 51.5 77.3

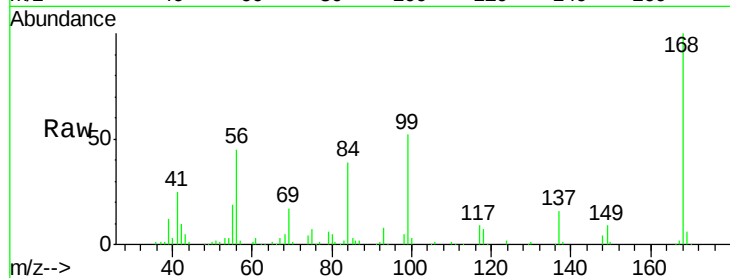




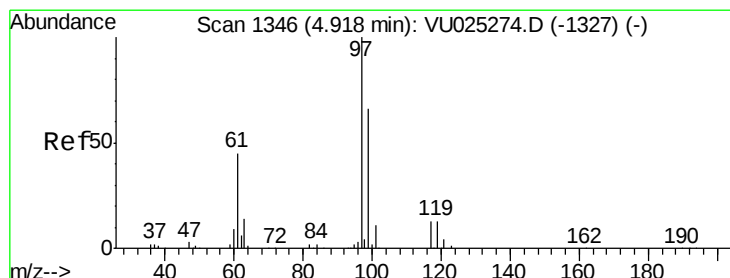
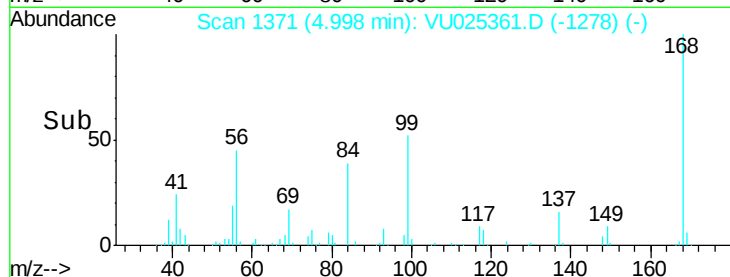
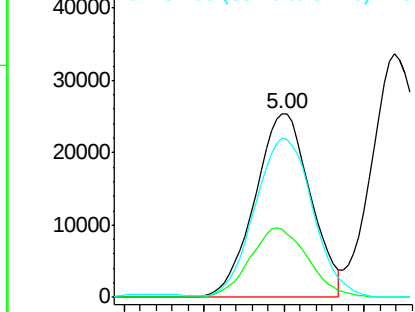
#31
Cyclohexane
Concen: 19.49 ug/l
RT: 5.00 min Scan# 1371
Delta R.T. 0.00 min
Lab File: VU025361.D
Acq: 13 Jul 2018 00:49

Instrument :
MSVOA_U
ClientSampleId :
VU0712WBS03

Tot Ion: 56 Resp: 61063
Ion Ratio Lower Upper
56 100
69 36.9 26.8 40.2
84 86.2 69.7 104.5

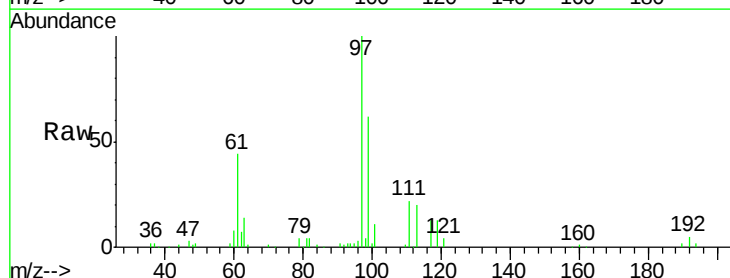


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

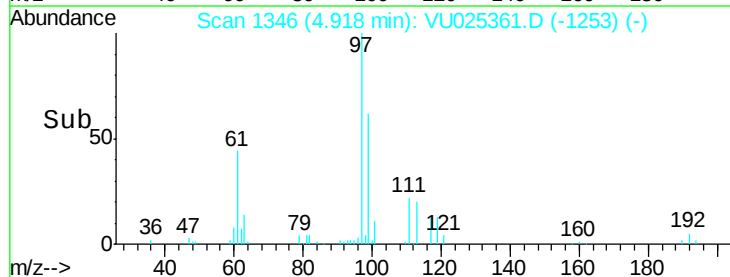
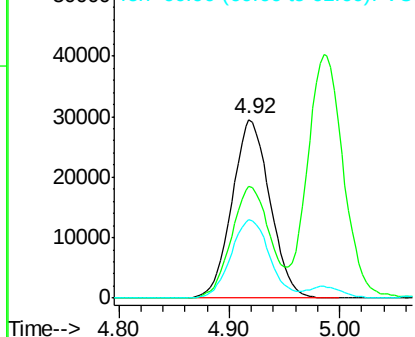


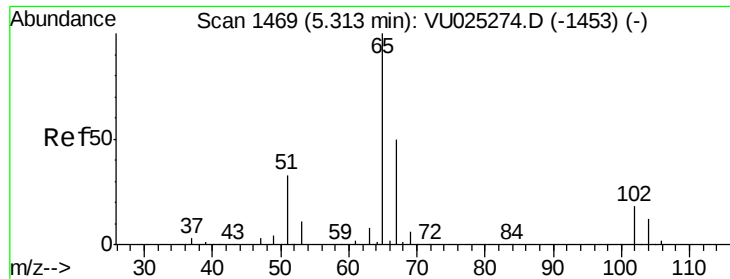
#32
1,1,1-Trichloroethane
Concen: 21.16 ug/l
RT: 4.92 min Scan# 1346
Delta R.T. 0.00 min
Lab File: VU025361.D
Acq: 13 Jul 2018 00:49

Tgt Ion: 97 Resp: 70334
Ion Ratio Lower Upper
97 100
99 64.2 50.8 76.2
61 44.6 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

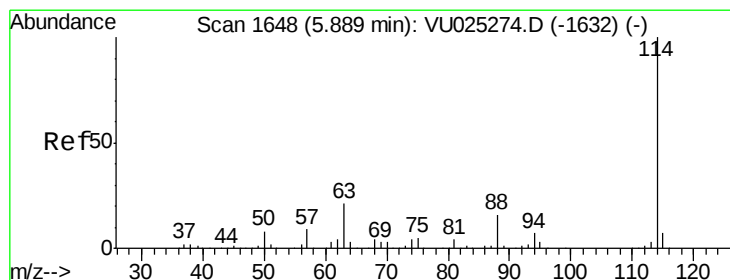
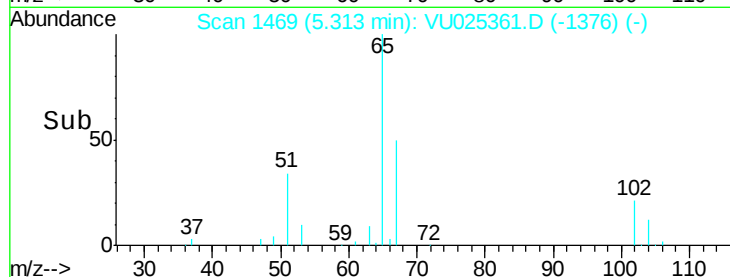
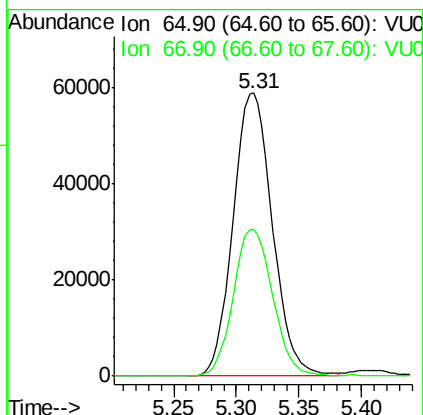
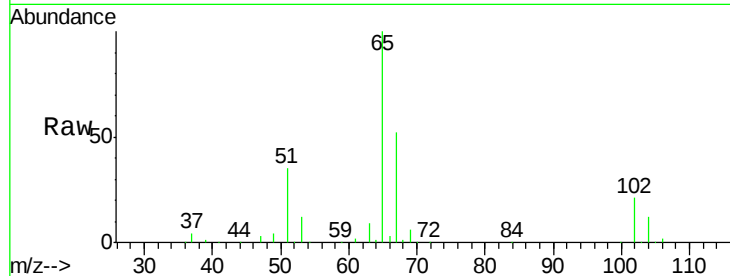




#33
 1,2-Dichloroethane-d4
 Concen: 50.46 ug/l
 RT: 5.31 min Scan# 1469
 Delta R.T. 0.00 min
 Lab File: VU025361.D
 Acq: 13 Jul 2018 00:49

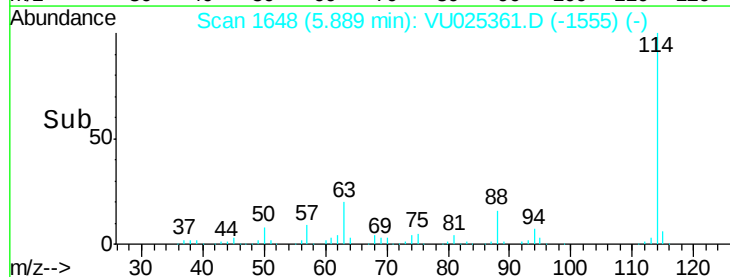
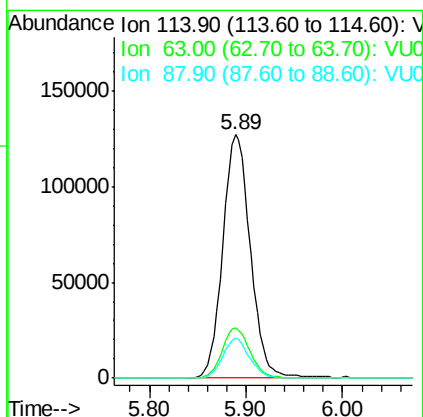
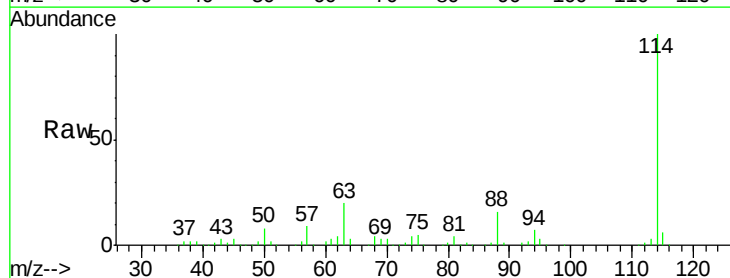
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0712WBS03

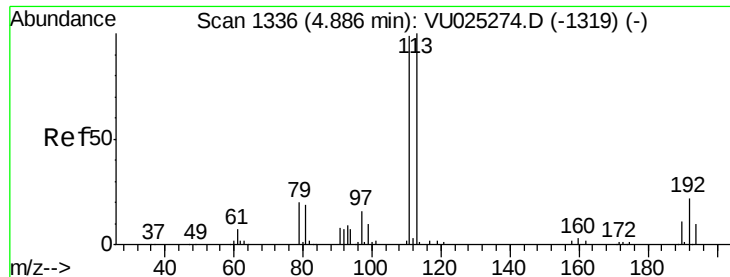
Tot Ion: 65 Resp: 128203
 Ion Ratio Lower Upper
 65 100
 67 51.9 0.0 103.6



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.89 min Scan# 1648
 Delta R.T. 0.00 min
 Lab File: VU025361.D
 Acq: 13 Jul 2018 00:49

Tgt Ion: 114 Resp: 252088
 Ion Ratio Lower Upper
 114 100
 63 20.5 0.0 41.6
 88 16.2 0.0 32.4

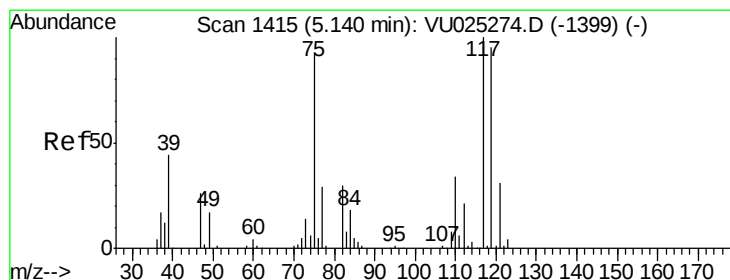
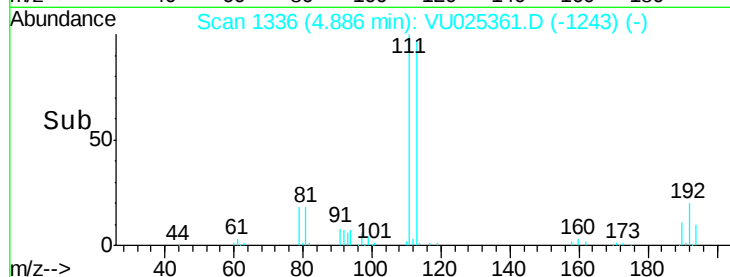
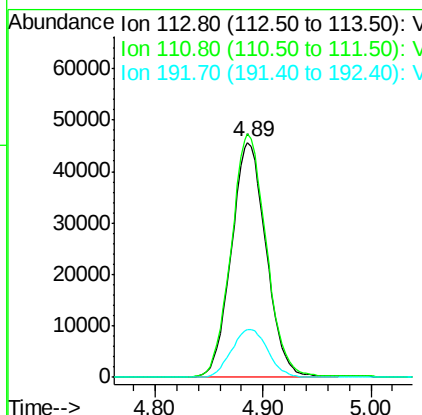
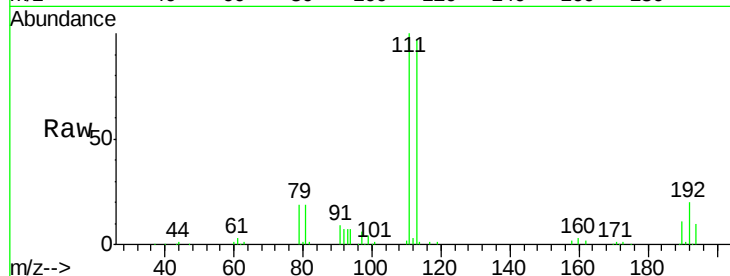




#35
 Dibromofluoromethane
 Concen: 48.26 ug/l
 RT: 4.89 min Scan# 1336
 Delta R.T. 0.00 min
 Lab File: VU025361.D
 Acq: 13 Jul 2018 00:49

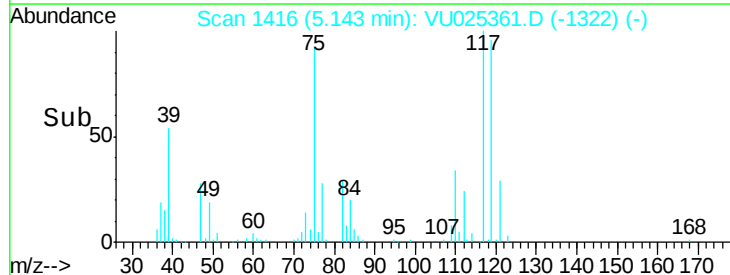
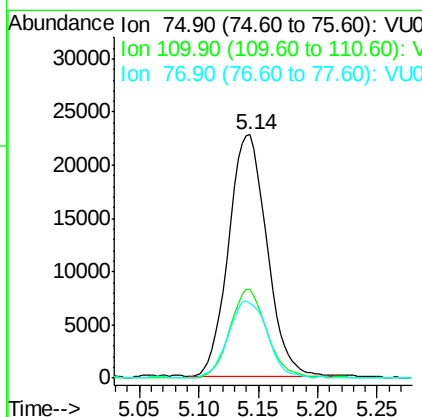
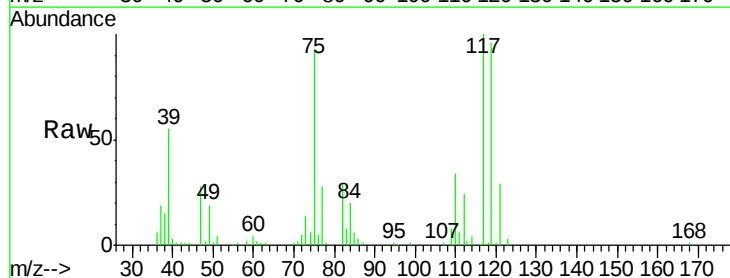
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0712WBS03

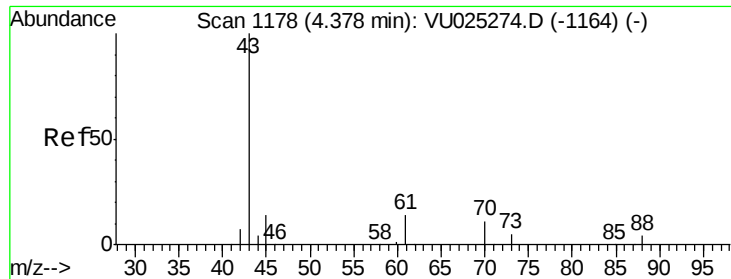
Tot Ion:113 Resp: 102621
 Ion Ratio Lower Upper
 113 100
 111 104.5 81.7 122.5
 192 21.4 17.1 25.7



#36
 1,1-Dichloropropene
 Concen: 18.19 ug/l
 RT: 5.14 min Scan# 1416
 Delta R.T. 0.00 min
 Lab File: VU025361.D
 Acq: 13 Jul 2018 00:49

Tgt Ion: 75 Resp: 50975
 Ion Ratio Lower Upper
 75 100
 110 35.2 17.6 52.9
 77 32.6 24.4 36.6

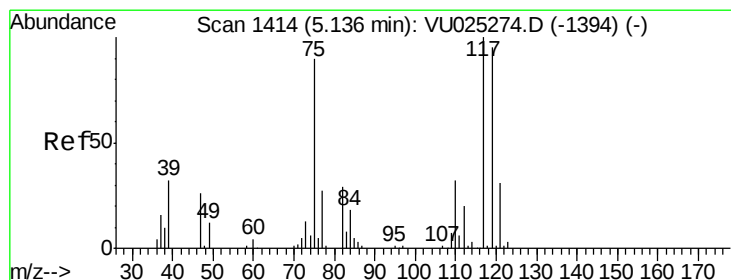
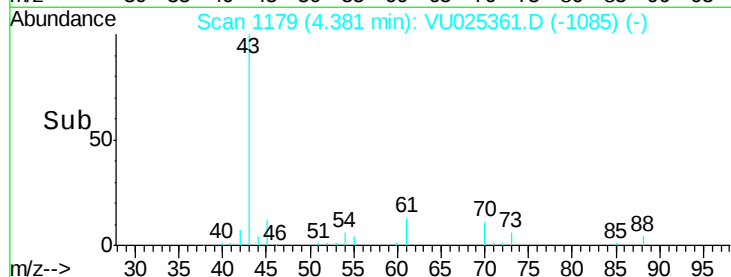
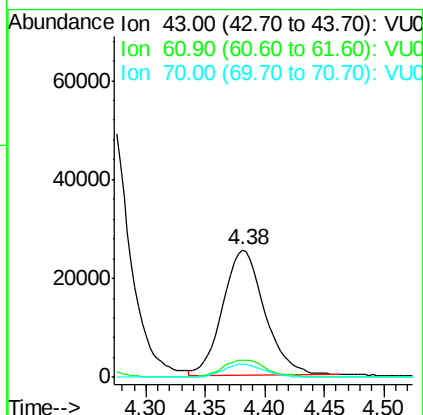
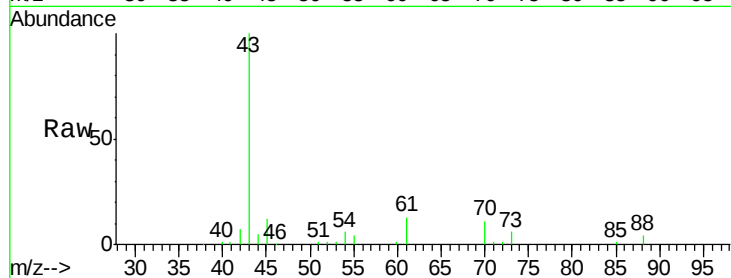




#37
Ethyl Acetate
Concen: 19.81 ug/l
RT: 4.38 min Scan# 1179
Delta R.T. 0.00 min
Lab File: VU025361.D
Acq: 13 Jul 2018 00:49

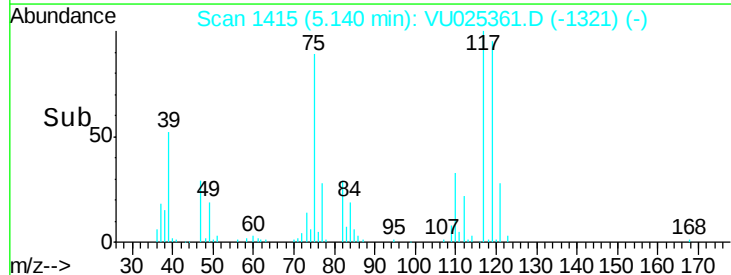
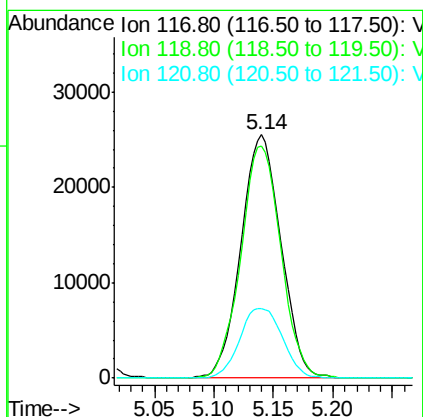
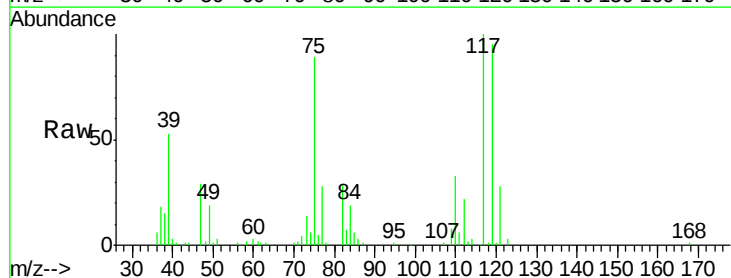
Instrument :
MSVOA_U
ClientSampleId :
VU0712WBS03

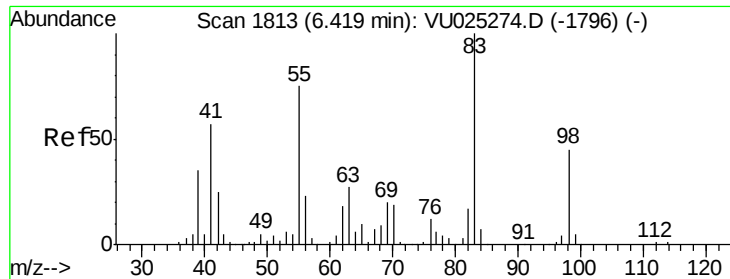
Tot Ion: 43 Resp: 61914
Ion Ratio Lower Upper
43 100
61 14.4 10.7 16.1
70 10.4 8.4 12.6



#38
Carbon Tetrachloride
Concen: 19.70 ug/l
RT: 5.14 min Scan# 1415
Delta R.T. 0.00 min
Lab File: VU025361.D
Acq: 13 Jul 2018 00:49

Tgt Ion: 117 Resp: 59431
Ion Ratio Lower Upper
117 100
119 95.3 75.7 113.5
121 28.4 24.6 36.8

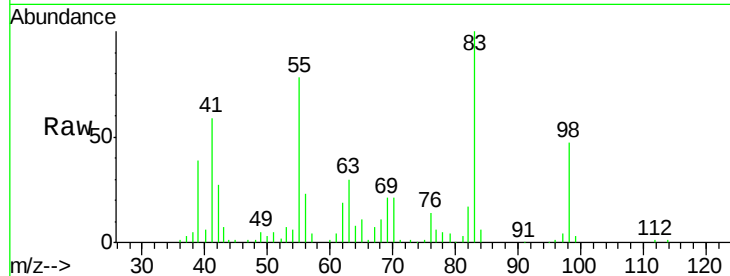




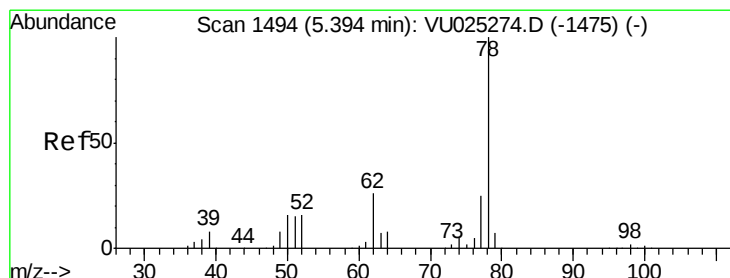
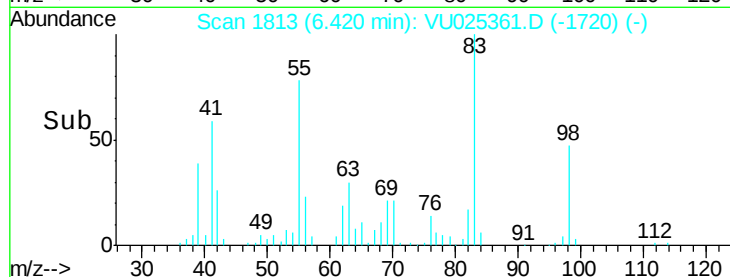
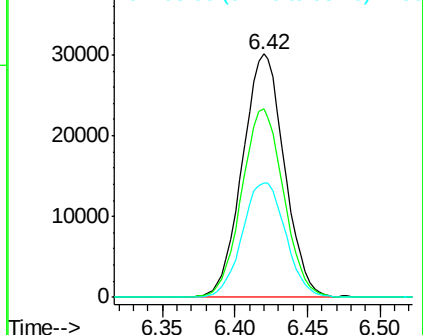
#39
Methvlcvclohexane
Concen: 17.37 ug/l
RT: 6.42 min Scan# 1813
Delta R.T. 0.00 min
Lab File: VU025361.D
Acq: 13 Jul 2018 00:49

Instrument :
MSVOA_U
ClientSampleId :
VU0712WBS03

Tot Ion: 83 Resp: 60728
Ion Ratio Lower Upper
83 100
55 77.5 60.0 90.0
98 46.9 36.1 54.1

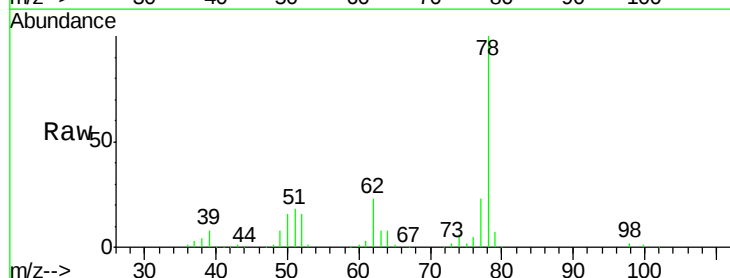


Abundance Ion 83.00 (82.70 to 83.70): VU0
Ion 55.00 (54.70 to 55.70): VU0
Ion 98.00 (97.70 to 98.70): VU0

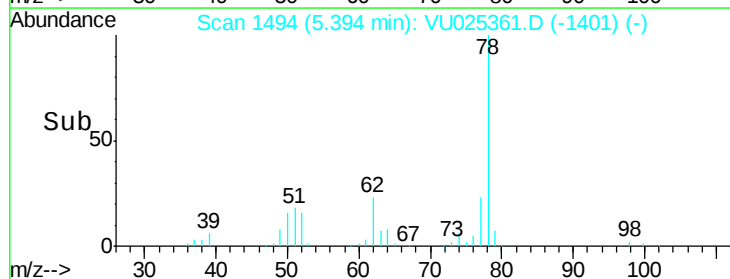
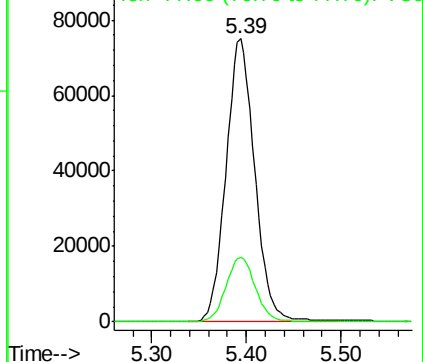


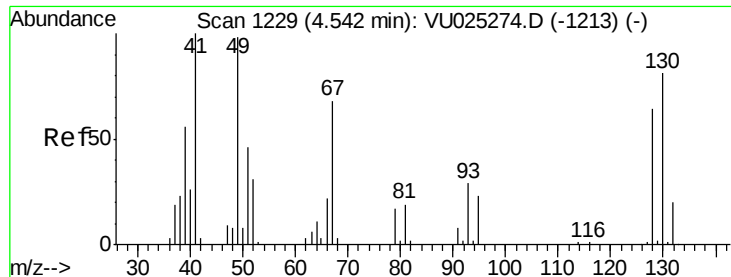
#40
Benzene
Concen: 19.64 ug/l
RT: 5.39 min Scan# 1494
Delta R.T. 0.00 min
Lab File: VU025361.D
Acq: 13 Jul 2018 00:49

Tgt Ion: 78 Resp: 158599
Ion Ratio Lower Upper
78 100
77 22.8 19.8 29.6



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

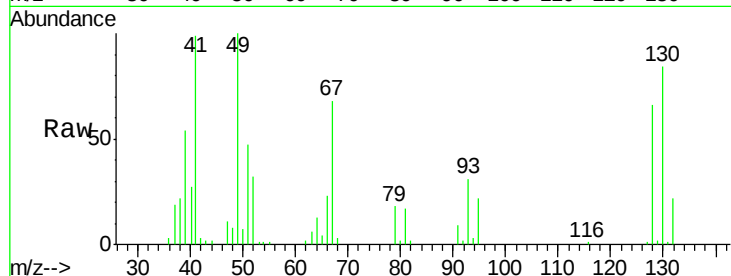




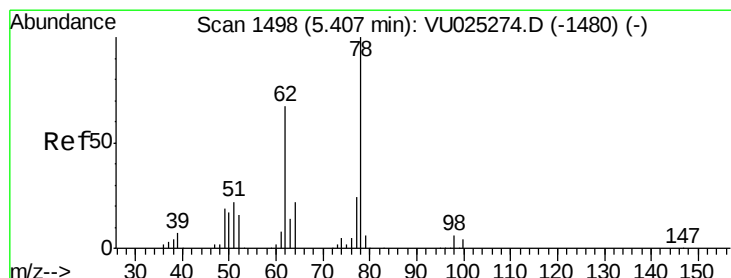
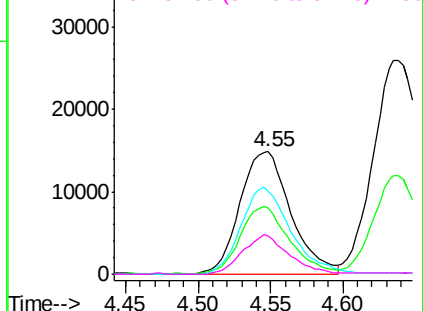
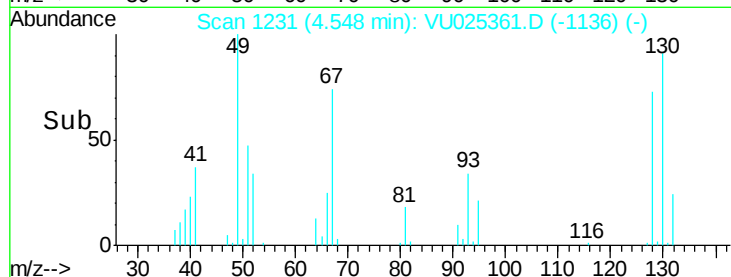
#41
Methacrylonitrile
Concen: 20.95 ug/l
RT: 4.55 min Scan# 1231
Delta R.T. 0.01 min
Lab File: VU025361.D
Acq: 13 Jul 2018 00:49

Instrument :
MSVOA_U
ClientSampleId :
VU0712WBS03

Tot Ion: 41 Resp: 36310
Ion Ratio Lower Upper
41 100
39 53.7 44.4 66.6
67 69.5 56.0 84.0
52 29.2 24.6 36.8

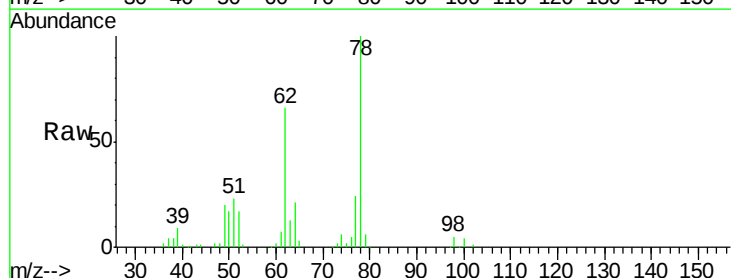


Abundance Ion 41.00 (40.70 to 41.70): VU0
Ion 39.00 (38.70 to 39.70): VU0
Ion 67.00 (66.70 to 67.70): VU0
Ion 52.00 (51.70 to 52.70): VU0

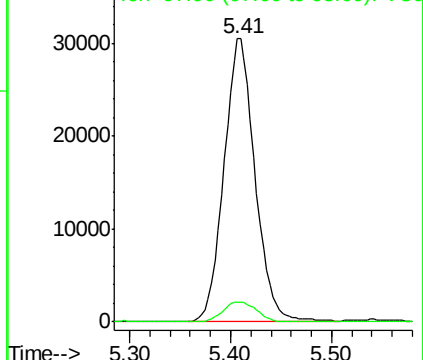
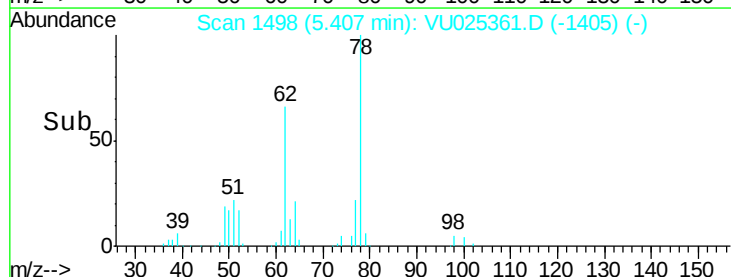


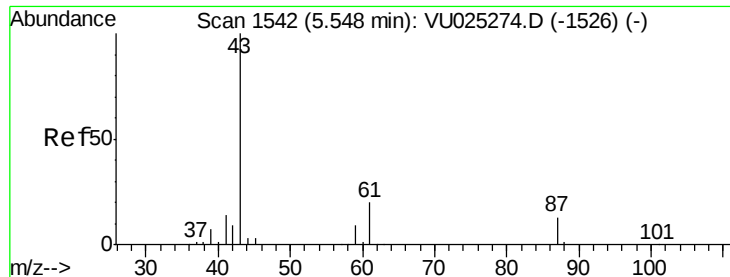
#42
1,2-Dichloroethane
Concen: 20.40 ug/l
RT: 5.41 min Scan# 1498
Delta R.T. 0.00 min
Lab File: VU025361.D
Acq: 13 Jul 2018 00:49

Tgt Ion: 62 Resp: 65499
Ion Ratio Lower Upper
62 100
98 7.7 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: 20.42 ug/l

RT: 5.55 min Scan# 1542

Delta R.T. 0.00 min

Lab File: VU025361.D

Acq: 13 Jul 2018 00:49

Instrument :

MSVOA_U

ClientSampleId :

VU0712WBS03

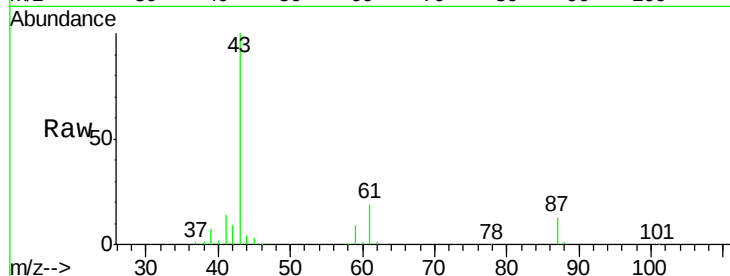
Tot Ion: 43 Resp: 102216

Ion Ratio Lower Upper

43 100

61 19.2 15.5 23.3

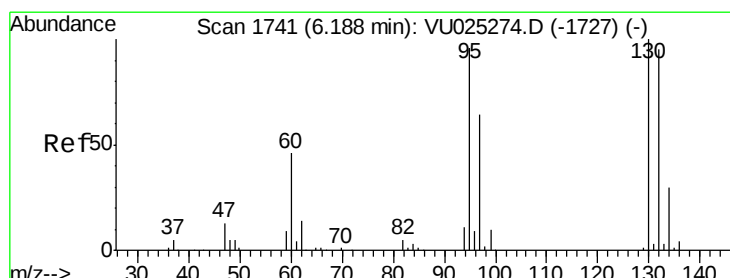
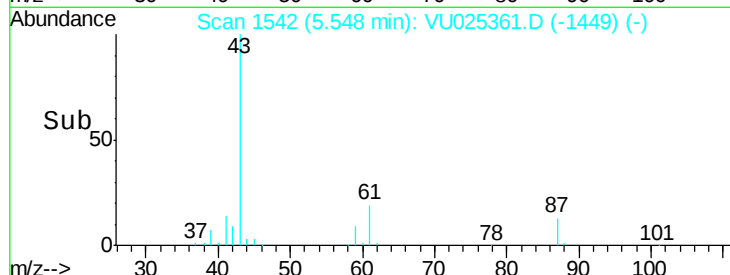
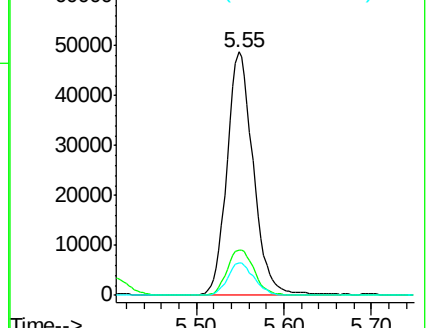
87 13.4 10.6 16.0



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 87.00 (86.70 to 87.70): VU0



#44

Trichloroethene

Concen: 18.74 ug/l

RT: 6.19 min Scan# 1742

Delta R.T. 0.00 min

Lab File: VU025361.D

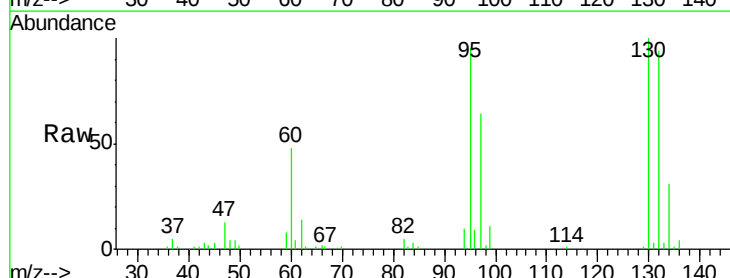
Acq: 13 Jul 2018 00:49

Tgt Ion: 130 Resp: 43449

Ion Ratio Lower Upper

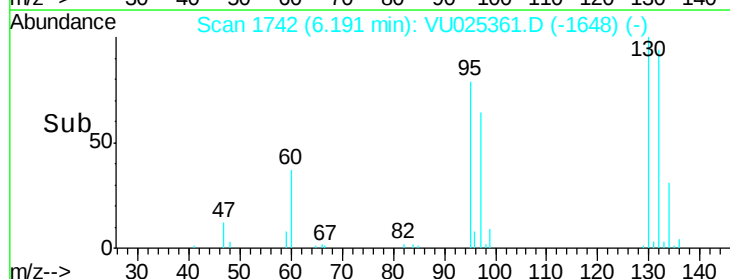
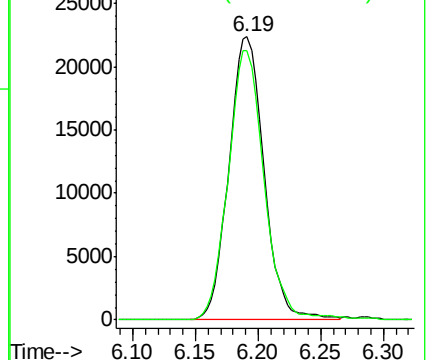
130 100

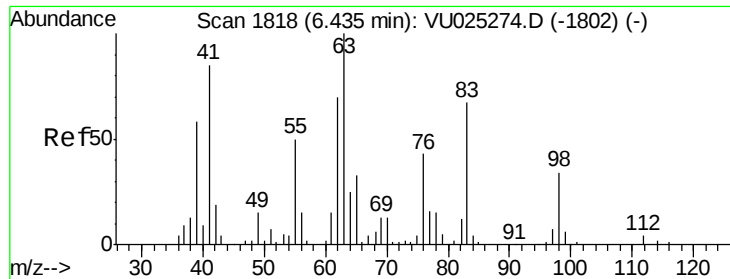
95 95.0 0.0 192.2



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VU0





#45

1,2-Dichloropropane

Concen: 20.17 ug/l

RT: 6.44 min Scan# 1818

Delta R.T. 0.00 min

Lab File: VU025361.D

Acq: 13 Jul 2018 00:49

Instrument :

MSVOA_U

ClientSampleId :

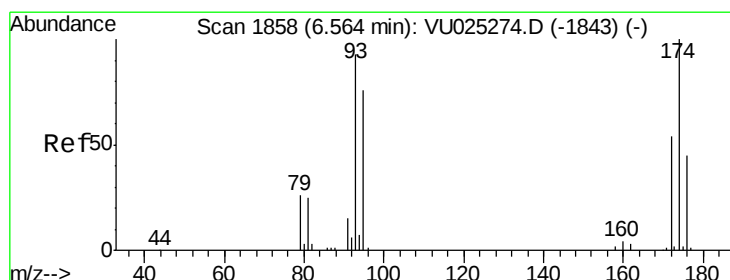
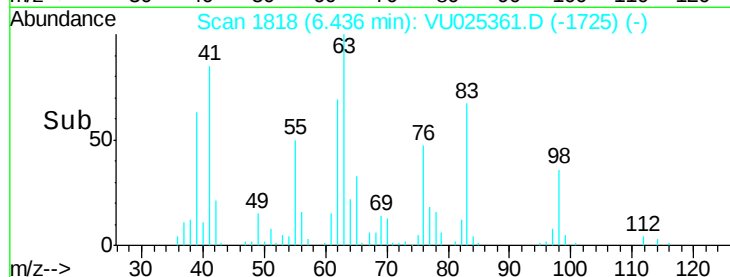
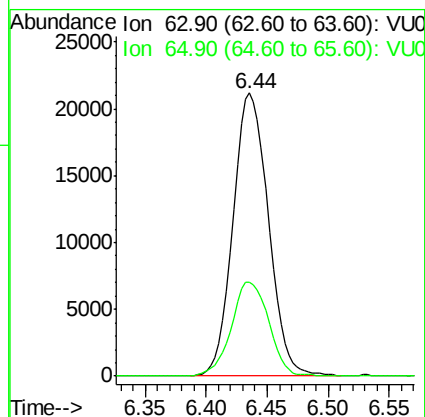
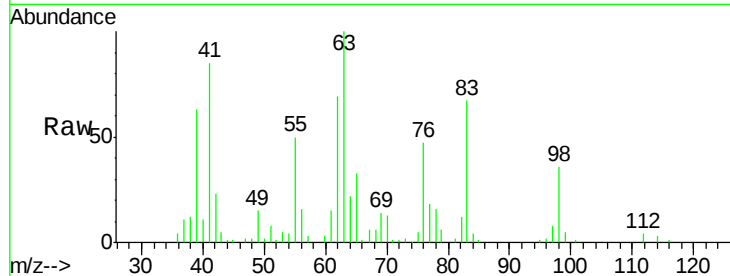
VU0712WBS03

Tot Ion: 63 Resp: 42673

Ion Ratio Lower Upper

63 100

65 33.1 26.1 39.1



#46

Dibromomethane

Concen: 19.78 ug/l

RT: 6.56 min Scan# 1858

Delta R.T. 0.00 min

Lab File: VU025361.D

Acq: 13 Jul 2018 00:49

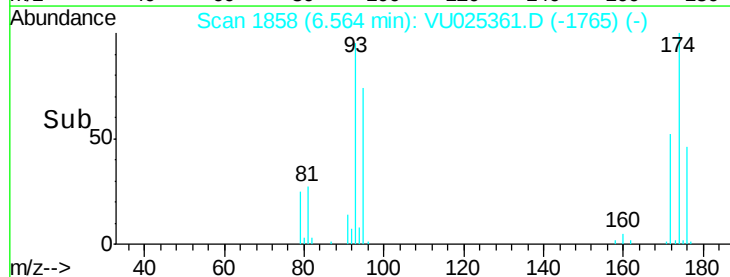
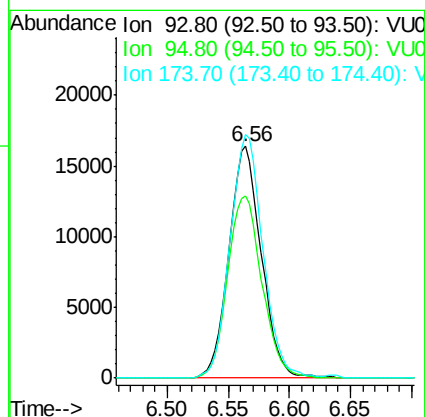
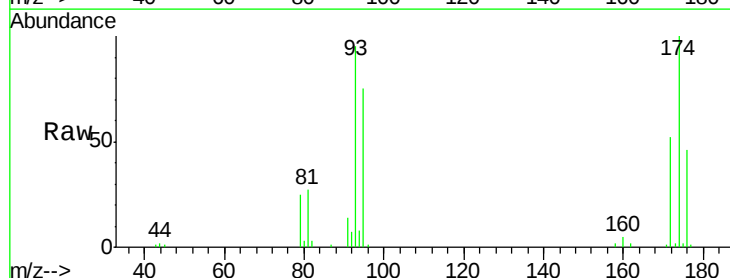
Tgt Ion: 93 Resp: 30446

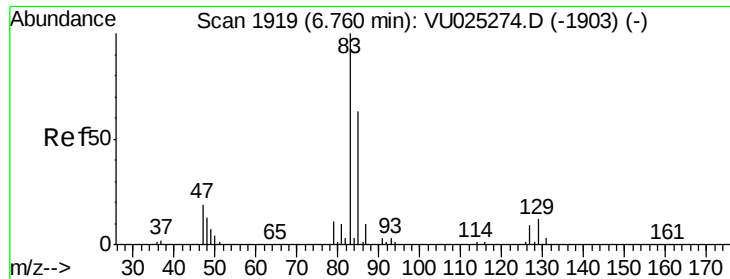
Ion Ratio Lower Upper

93 100

95 83.3 66.6 100.0

174 106.5 85.8 128.8





#47

Bromodichloromethane

Concen: 19.99 ug/l

RT: 6.76 min Scan# 1919

Delta R.T. 0.00 min

Lab File: VU025361.D

Acq: 13 Jul 2018 00:49

Instrument :

MSVOA_U

ClientSampleId :

VU0712WBS03

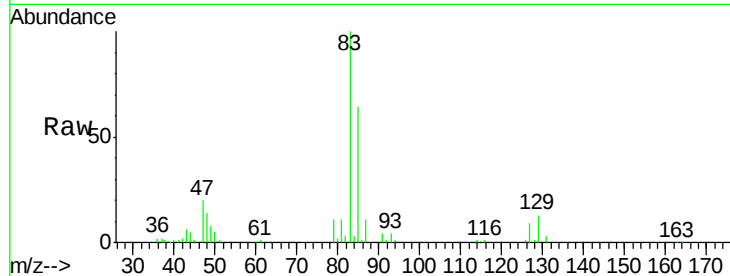
Tot Ion: 83 Resp: 57158

Ion Ratio Lower Upper

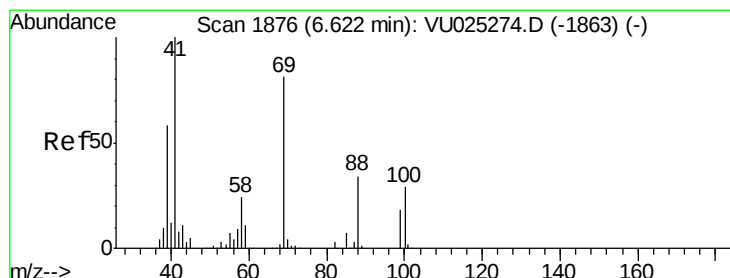
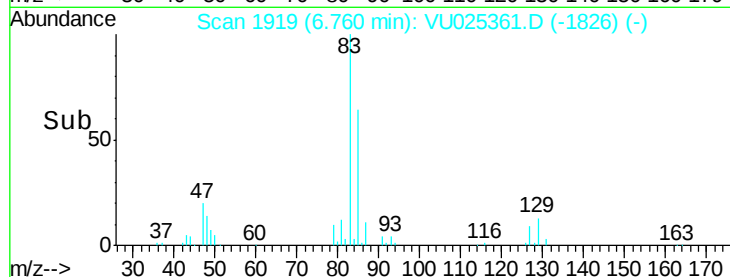
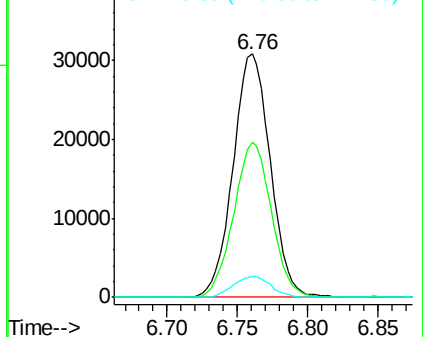
83 100

85 63.5 50.2 75.4

127 8.6 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: 20.55 ug/l

RT: 6.63 min Scan# 1877

Delta R.T. 0.00 min

Lab File: VU025361.D

Acq: 13 Jul 2018 00:49

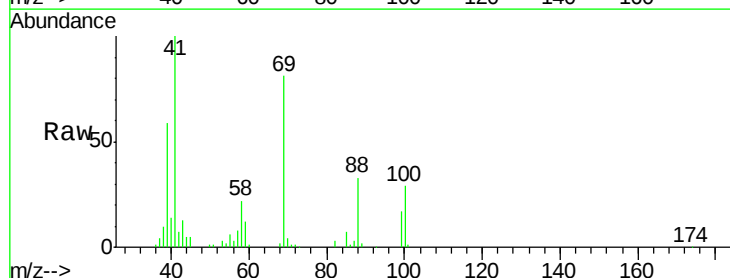
Tgt Ion: 41 Resp: 51280

Ion Ratio Lower Upper

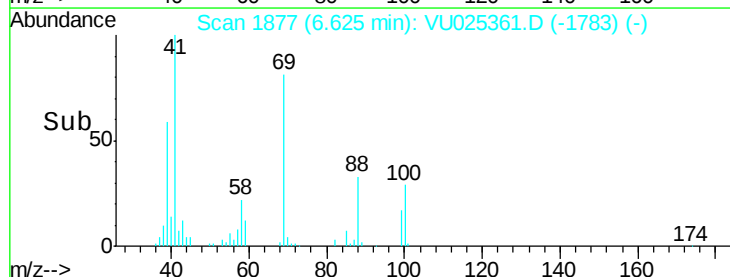
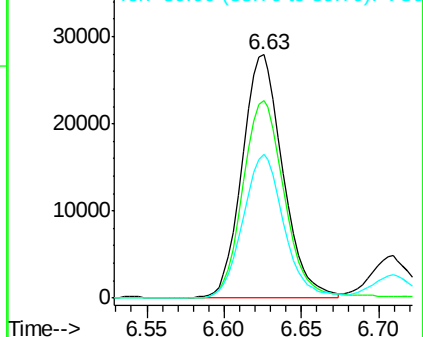
41 100

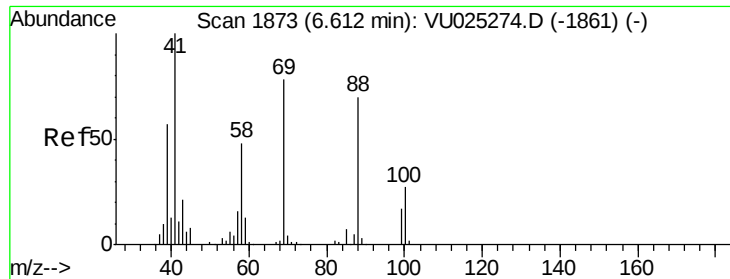
69 82.2 65.0 97.4

39 59.4 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

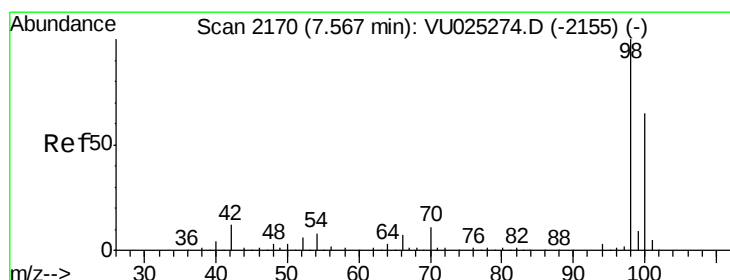
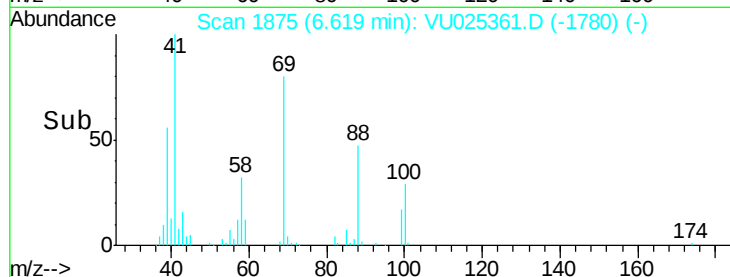
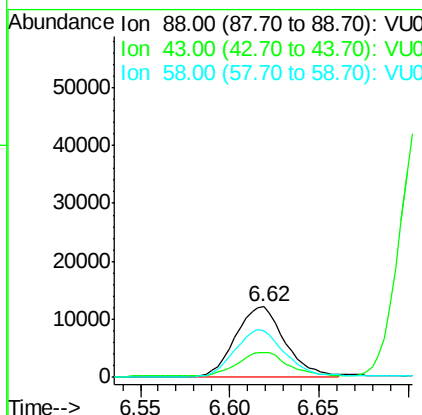
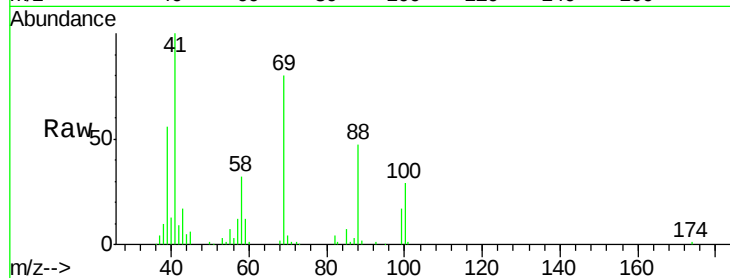




#49
1,4-Dioxane
Concen: 395.02 ug/l
RT: 6.62 min Scan# 1875
Delta R.T. 0.01 min
Lab File: VU025361.D
Acq: 13 Jul 2018 00:49

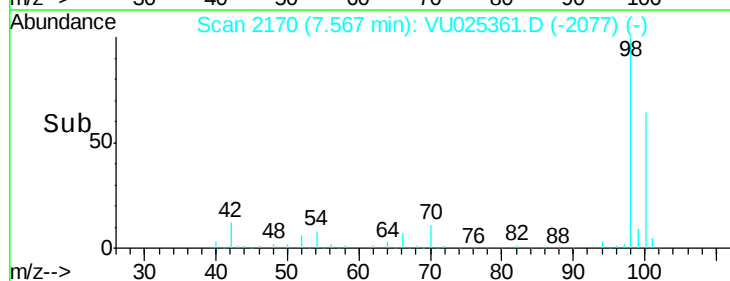
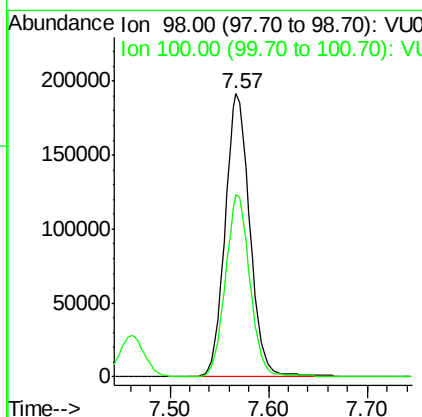
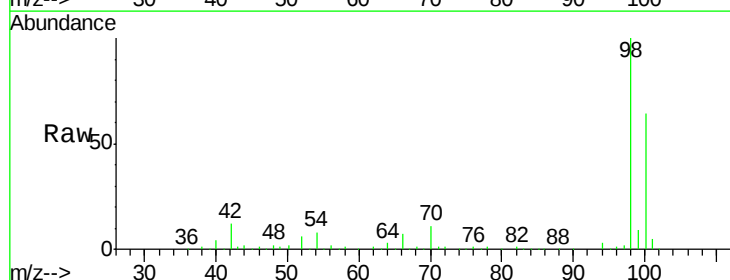
Instrument :
MSVOA_U
ClientSampleId :
VU0712WBS03

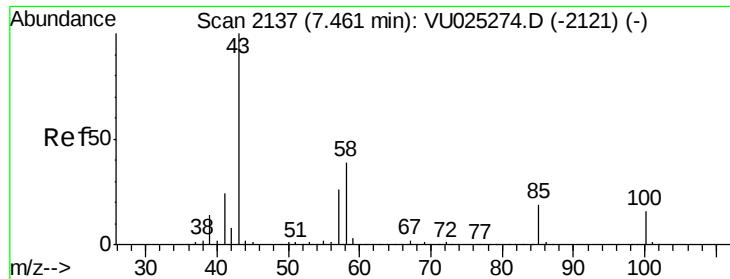
Tot Ion: 88 Resp: 23717
Ion Ratio Lower Upper
88 100
43 34.4 27.3 40.9
58 69.5 57.6 86.4



#50
Toluene-d8
Concen: 46.31 ug/l
RT: 7.57 min Scan# 2170
Delta R.T. 0.00 min
Lab File: VU025361.D
Acq: 13 Jul 2018 00:49

Tgt Ion: 98 Resp: 337251
Ion Ratio Lower Upper
98 100
100 63.5 51.1 76.7





#51

4-Methyl-2-Pentanone

Concen: 99.95 ug/l

RT: 7.46 min Scan# 2137

Delta R.T. 0.00 min

Lab File: VU025361.D

Acq: 13 Jul 2018 00:49

Instrument :

MSVOA_U

ClientSampleId :

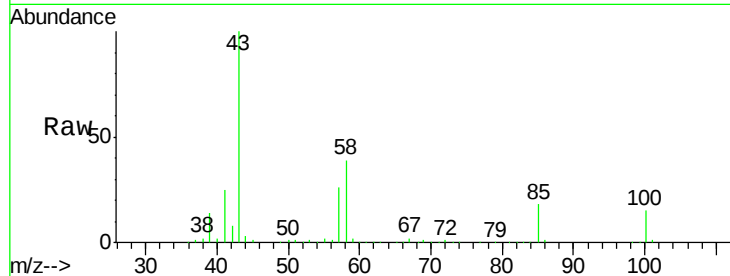
VU0712WBS03

Tot Ion: 43 Resp: 325144

Ion Ratio Lower Upper

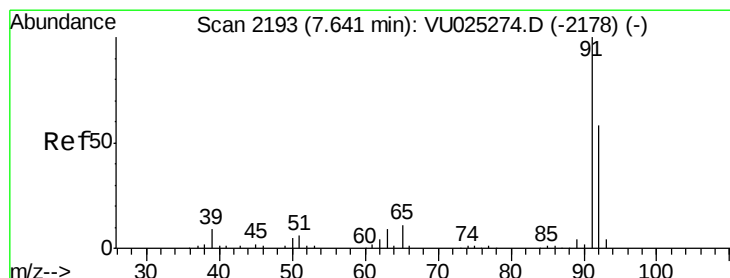
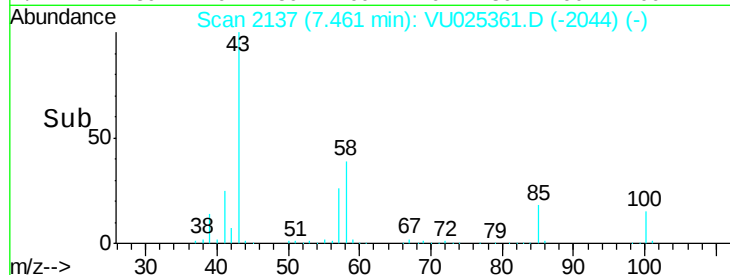
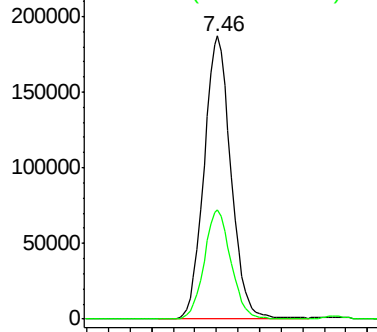
43 100

58 38.5 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: 19.40 ug/l

RT: 7.64 min Scan# 2193

Delta R.T. 0.00 min

Lab File: VU025361.D

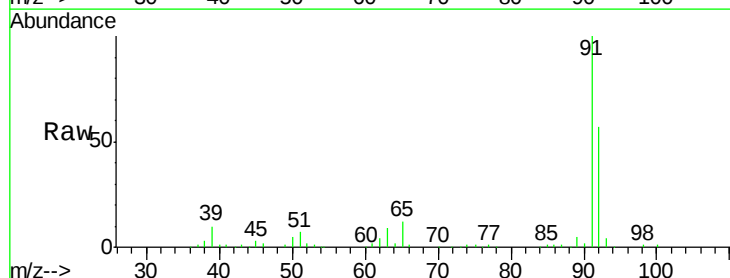
Acq: 13 Jul 2018 00:49

Tgt Ion: 92 Resp: 99664

Ion Ratio Lower Upper

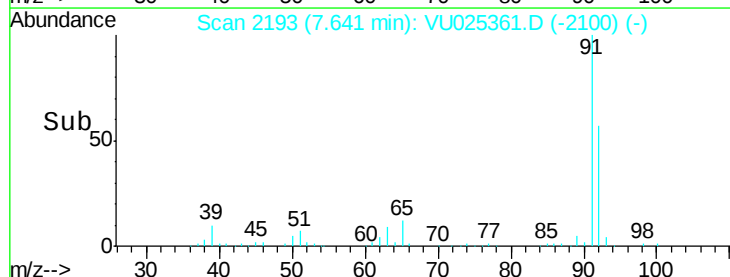
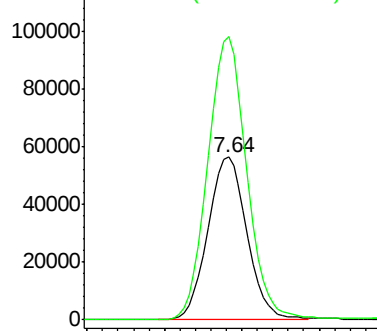
92 100

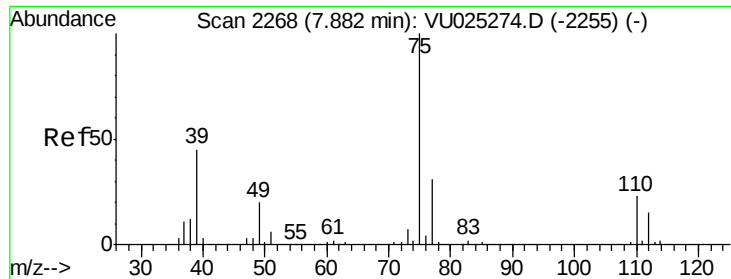
91 174.0 139.2 208.8



Abundance Ion 92.00 (91.70 to 92.70): VU0

Ion 91.00 (90.70 to 91.70): VU0

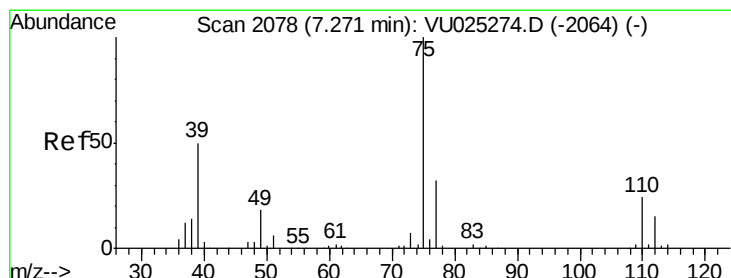
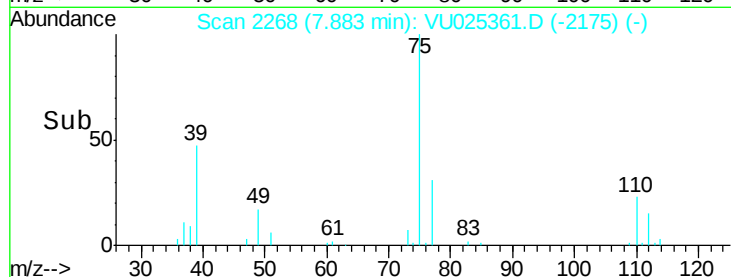
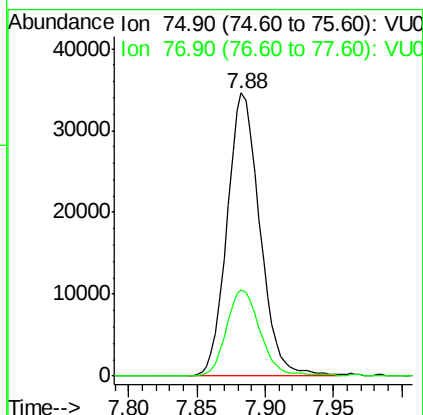
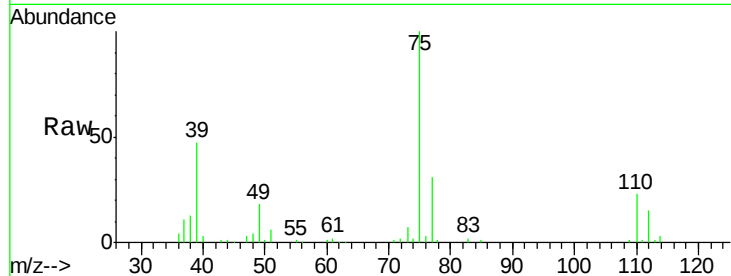




#53
t-1,3-Dichloropropene
Concen: 18.45 ug/l
RT: 7.88 min Scan# 2268
Delta R.T. 0.00 min
Lab File: VU025361.D
Acq: 13 Jul 2018 00:49

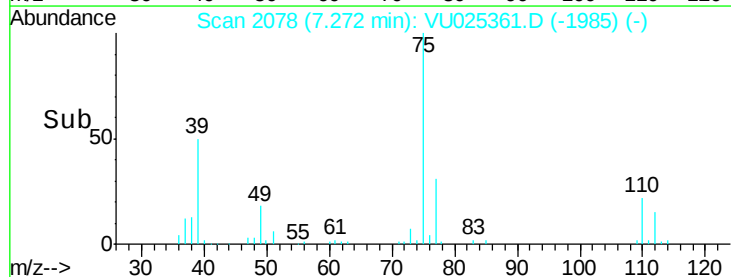
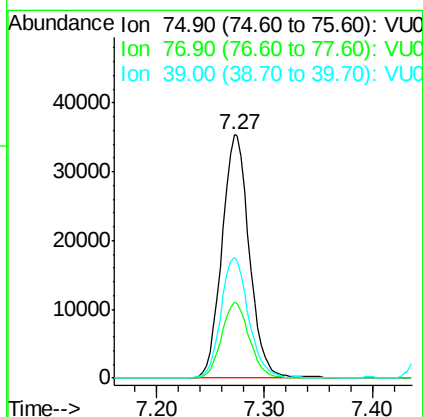
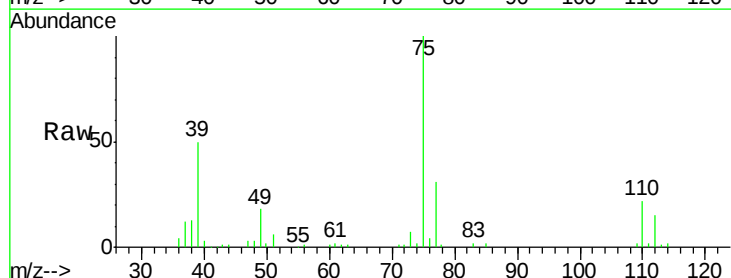
Instrument :
MSVOA_U
ClientSampleId :
VU0712WBS03

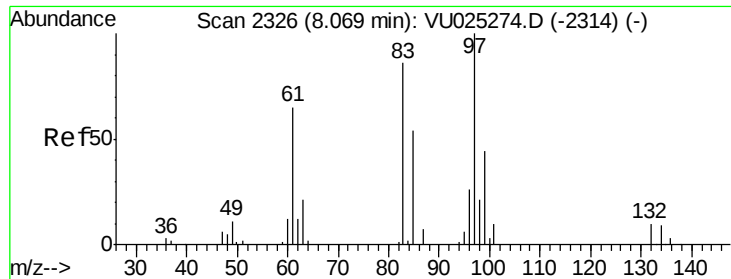
Tot Ion: 75 Resp: 57963
Ion Ratio Lower Upper
75 100
77 30.5 24.5 36.7



#54
cis-1,3-Dichloropropene
Concen: 18.63 ug/l
RT: 7.27 min Scan# 2078
Delta R.T. 0.00 min
Lab File: VU025361.D
Acq: 13 Jul 2018 00:49

Tgt Ion: 75 Resp: 62287
Ion Ratio Lower Upper
75 100
77 30.9 25.6 38.4
39 49.4 40.0 60.0

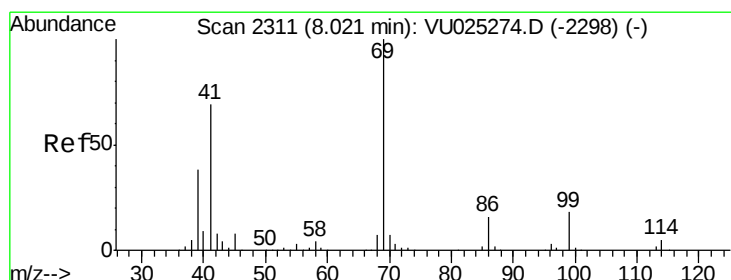
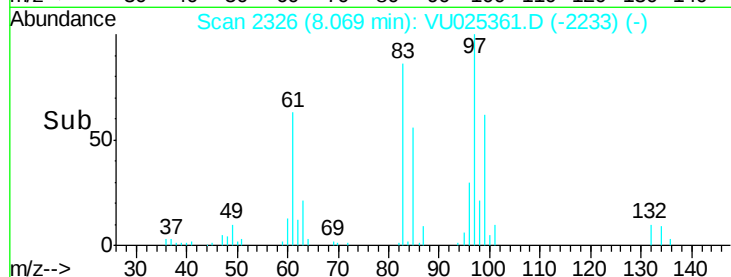
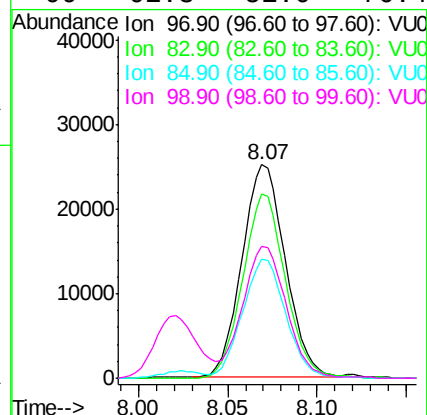
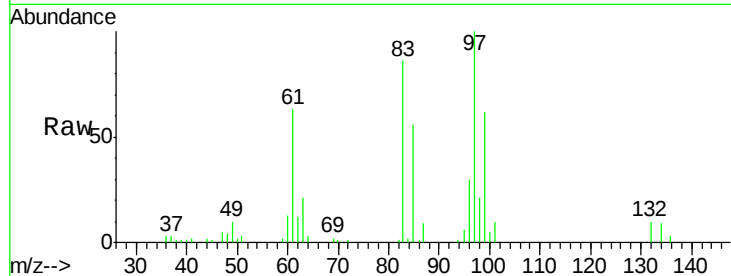




#55
 1,1,2-Trichloroethane
 Concen: 19.94 ug/l
 RT: 8.07 min Scan# 2326
 Delta R.T. 0.00 min
 Lab File: VU025361.D
 Acq: 13 Jul 2018 00:49

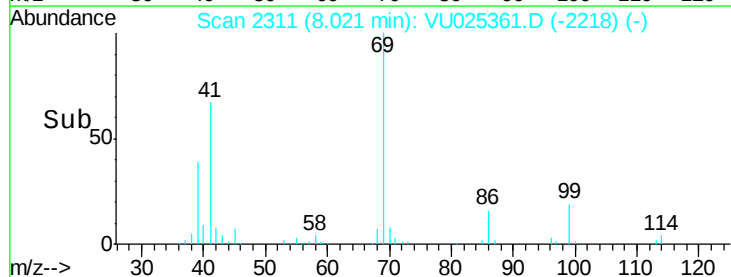
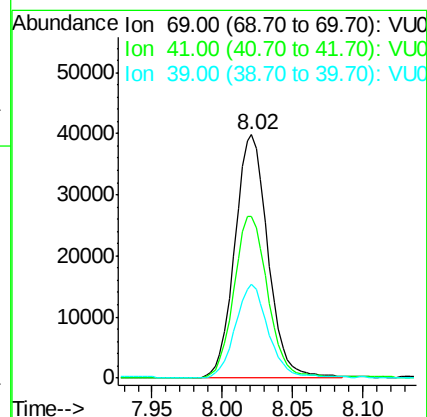
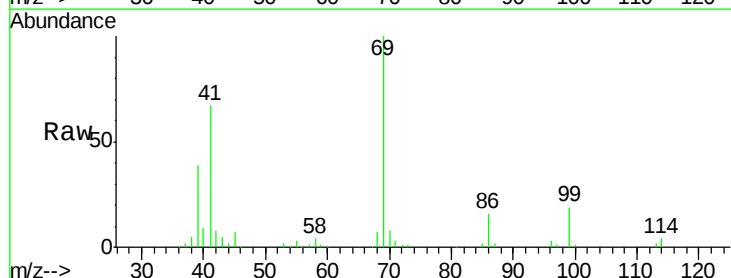
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0712WBS03

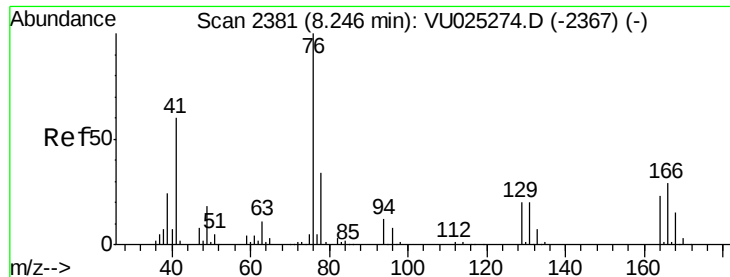
Tot Ion:	97	Resp:	42676
Ion	Ratio	Lower	Upper
97	100		
83	86.9	68.9	103.3
85	55.6	44.4	66.6
99	61.3	51.0	76.4



#56
 Ethyl methacrylate
 Concen: 19.64 ug/l
 RT: 8.02 min Scan# 2311
 Delta R.T. 0.00 min
 Lab File: VU025361.D
 Acq: 13 Jul 2018 00:49

Tgt Ion:	69	Resp:	65638
Ion	Ratio	Lower	Upper
69	100		
41	68.0	54.8	82.2
39	38.9	31.1	46.7





#57

1,3-Dichloropropane

Concen: 20.22 ug/l

RT: 8.25 min Scan# 2381

Delta R.T. 0.00 min

Lab File: VU025361.D

Acq: 13 Jul 2018 00:49

Instrument :

MSVOA_U

ClientSampleId :

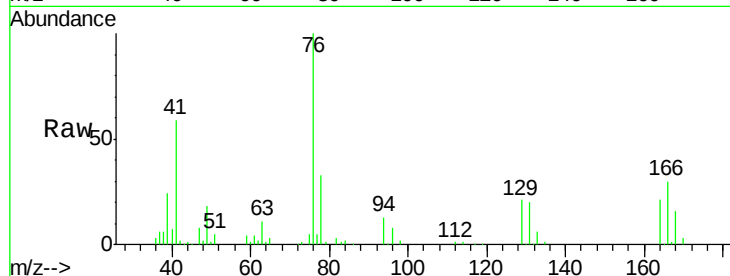
VU0712WBS03

Tot Ion: 76 Resp: 71841

Ion Ratio Lower Upper

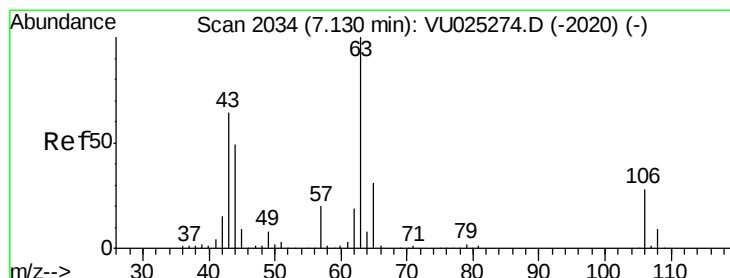
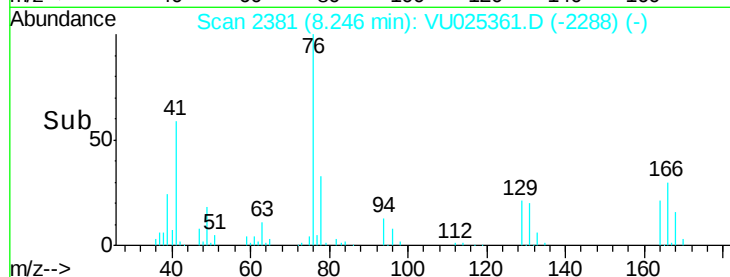
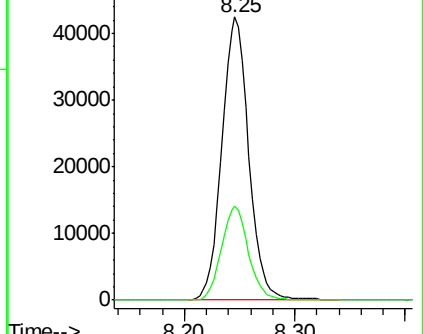
76 100

78 33.0 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: 80.97 ug/l

RT: 7.13 min Scan# 2034

Delta R.T. 0.00 min

Lab File: VU025361.D

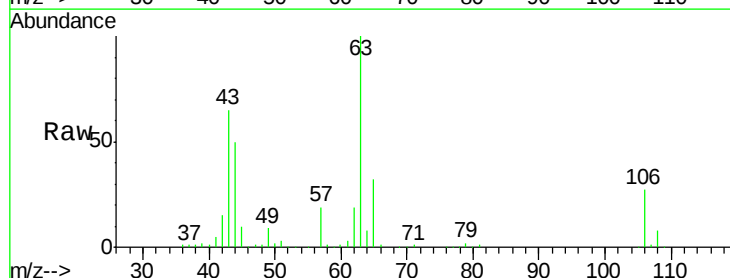
Acq: 13 Jul 2018 00:49

Tgt Ion: 63 Resp: 120283

Ion Ratio Lower Upper

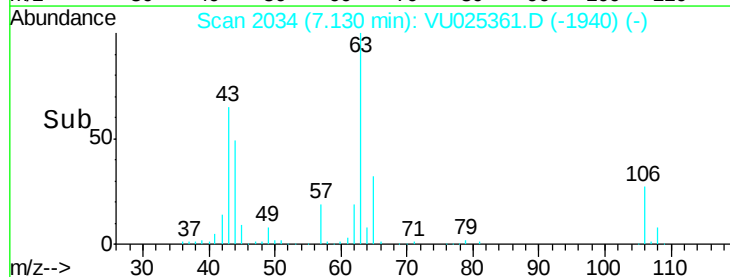
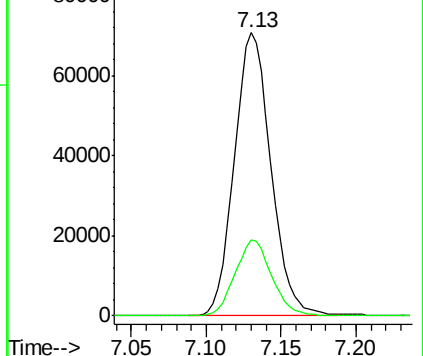
63 100

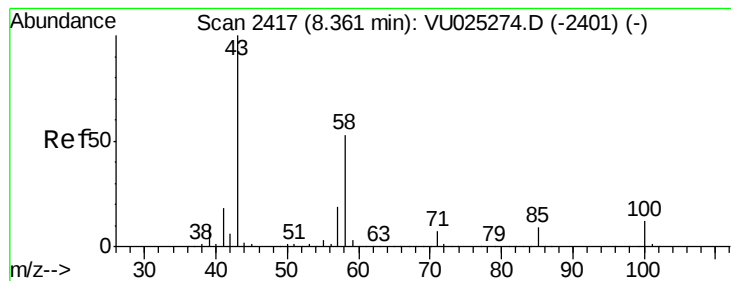
106 27.0 22.3 33.5



Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 105.90 (105.60 to 106.60): V





#59

2-Hexanone

Concen: 94.37 ug/l

RT: 8.36 min Scan# 2417

Delta R.T. 0.00 min

Lab File: VU025361.D

Acq: 13 Jul 2018 00:49

Instrument :

MSVOA_U

ClientSampleId :

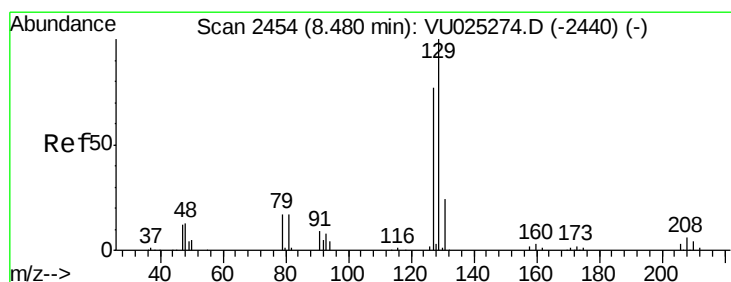
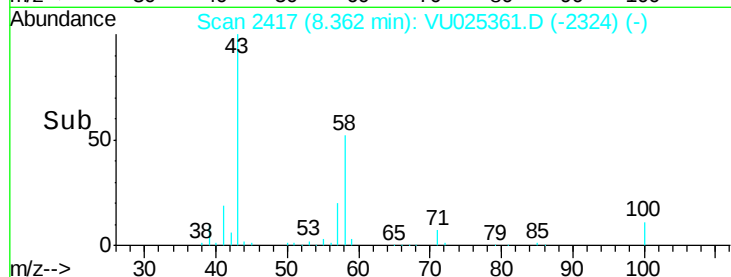
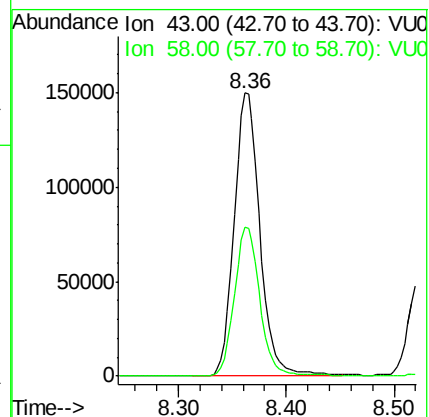
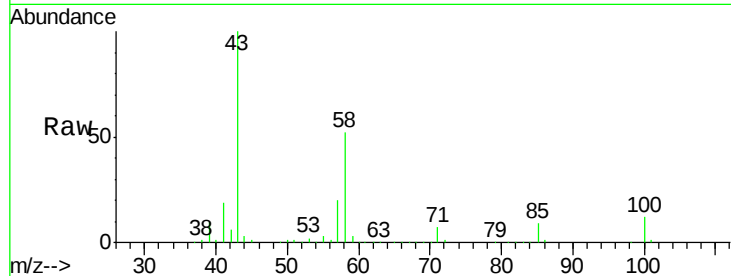
VU0712WBS03

Tot Ion: 43 Resp: 249010

Ion Ratio Lower Upper

43 100

58 51.9 26.2 78.5



#60

Dibromochloromethane

Concen: 19.57 ug/l

RT: 8.48 min Scan# 2454

Delta R.T. 0.00 min

Lab File: VU025361.D

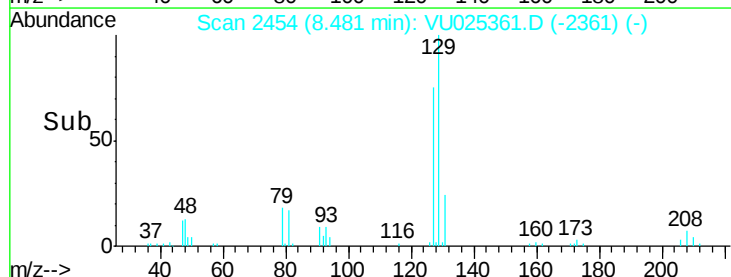
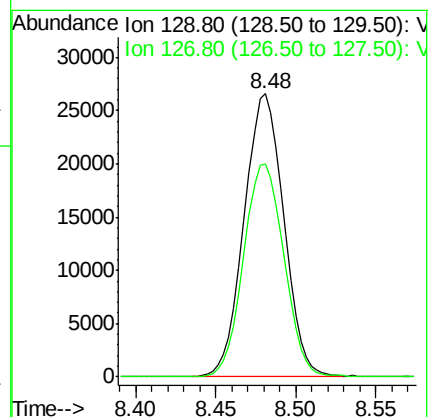
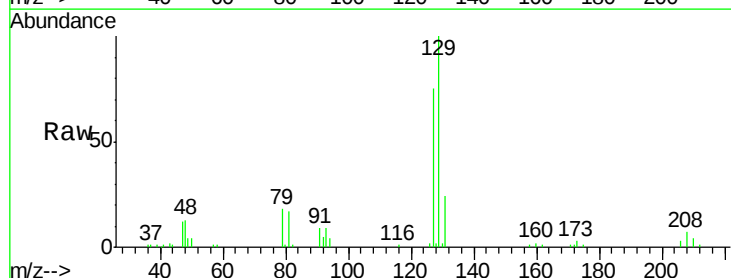
Acq: 13 Jul 2018 00:49

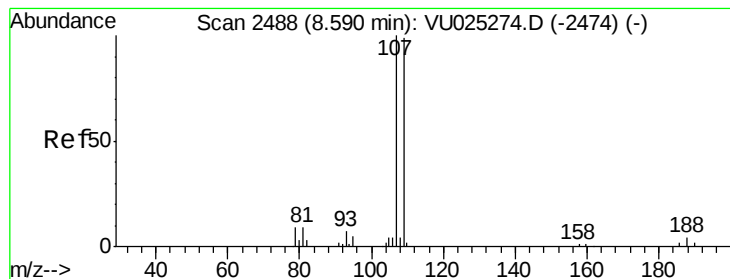
Tgt Ion: 129 Resp: 45222

Ion Ratio Lower Upper

129 100

127 76.3 38.6 115.8





#61

1,2-Dibromoethane

Concen: 19.90 ug/l

RT: 8.59 min Scan# 2488

Delta R.T. 0.00 min

Lab File: VU025361.D

Acq: 13 Jul 2018 00:49

Instrument :

MSVOA_U

ClientSampleId :

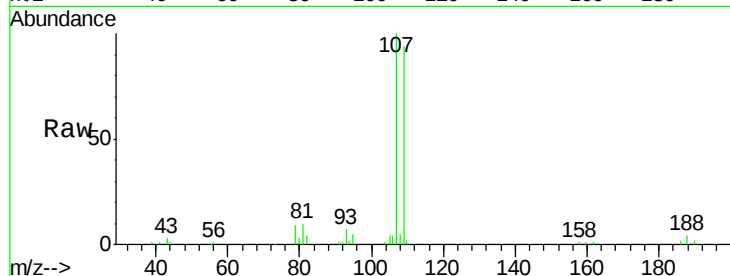
VU0712WBS03

Tot Ion:107 Resp: 45577

Ion Ratio Lower Upper

107 100

109 95.0 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

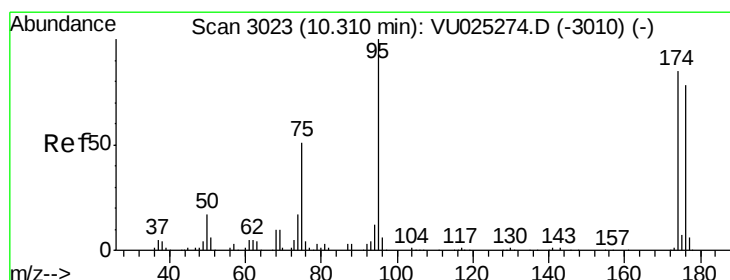
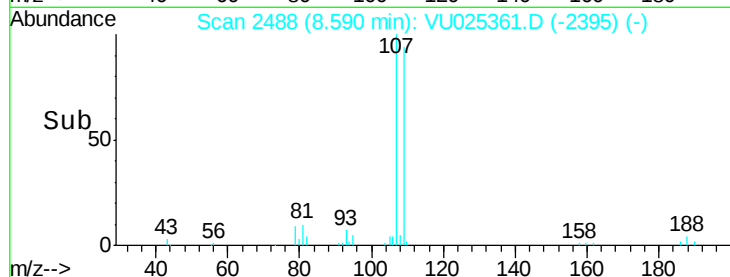
15000

10000

5000

0

Time--> 8.50 8.55 8.60 8.65



#62

4-Bromofluorobenzene

Concen: 45.43 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. 0.00 min

Lab File: VU025361.D

Acq: 13 Jul 2018 00:49

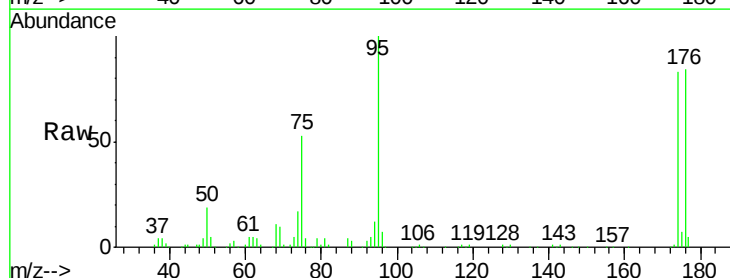
Tgt Ion: 95 Resp: 133195

Ion Ratio Lower Upper

95 100

174 85.9 0.0 172.2

176 84.8 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

100000

80000

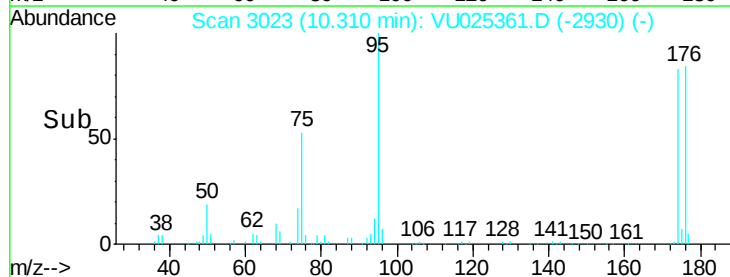
60000

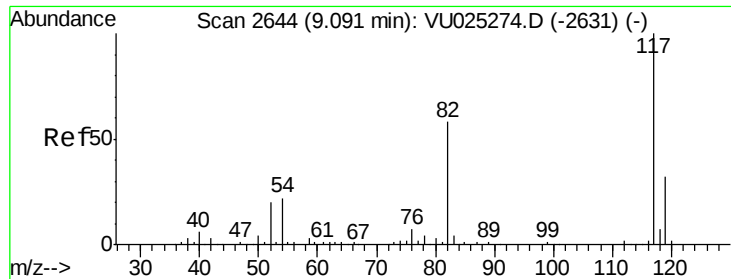
40000

20000

0

Time--> 10.30 10.40

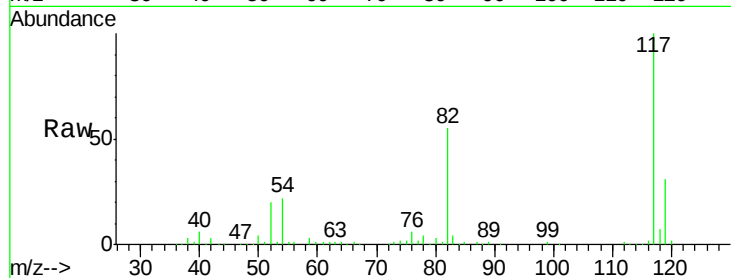




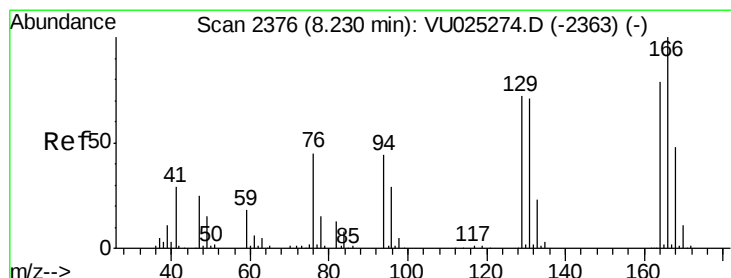
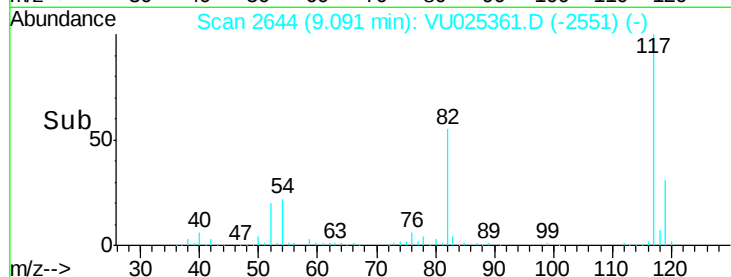
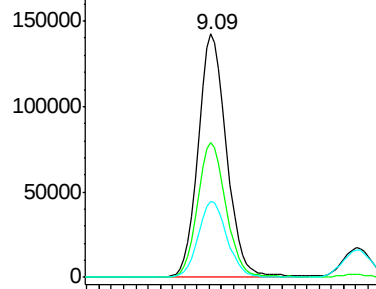
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.09 min Scan# 2644
Delta R.T. 0.00 min
Lab File: VU025361.D
Acq: 13 Jul 2018 00:49

Instrument :
MSVOA_U
ClientSampleId :
VU0712WBS03

Tot Ion:117 Resp: 232060
Ion Ratio Lower Upper
117 100
82 55.4 46.0 69.0
119 31.1 26.0 39.0

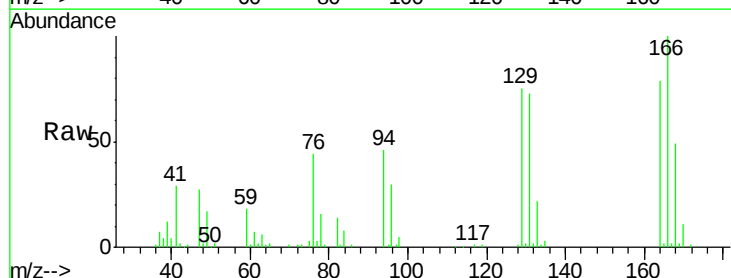


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

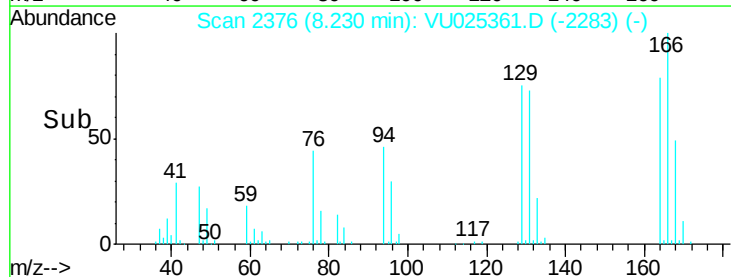
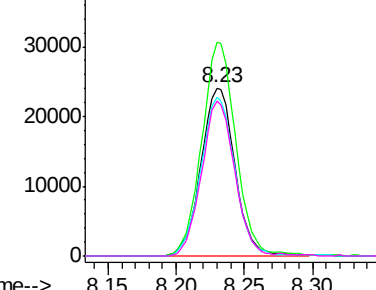


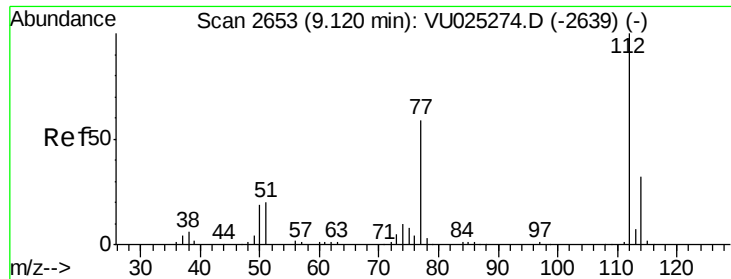
#64
Tetrachloroethene
Concen: 19.71 ug/l
RT: 8.23 min Scan# 2376
Delta R.T. 0.00 min
Lab File: VU025361.D
Acq: 13 Jul 2018 00:49

Tgt Ion:164 Resp: 41689
Ion Ratio Lower Upper
164 100
166 127.0 101.1 151.7
129 94.6 73.0 109.6
131 92.2 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

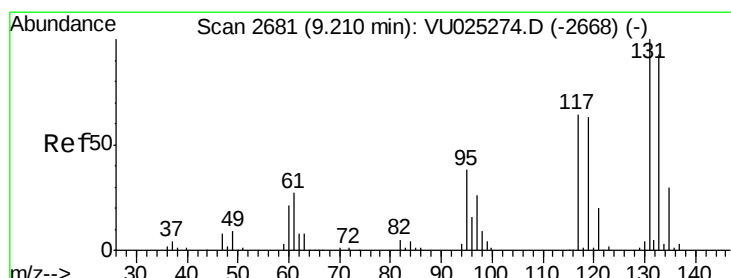
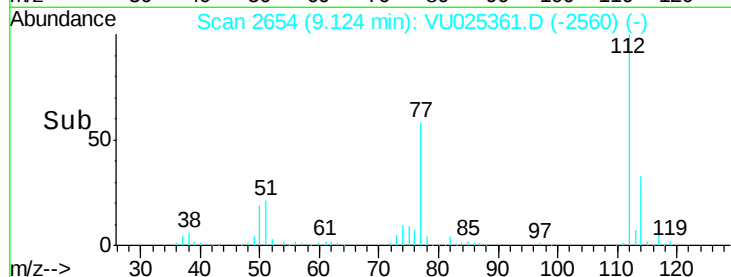
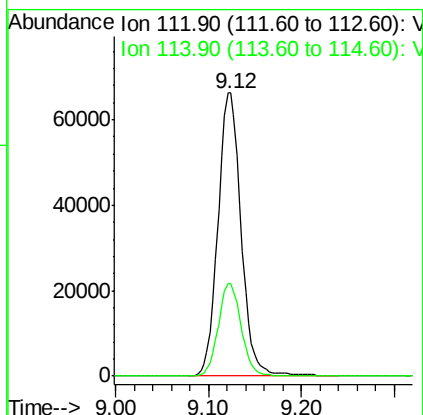
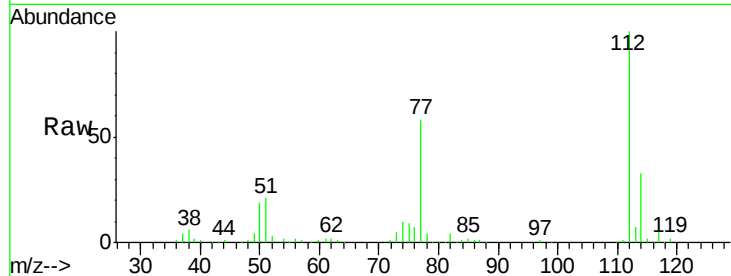




#65
Chlorobenzene
Concen: 19.78 ug/l
RT: 9.12 min Scan# 2654
Delta R.T. 0.00 min
Lab File: VU025361.D
Acq: 13 Jul 2018 00:49

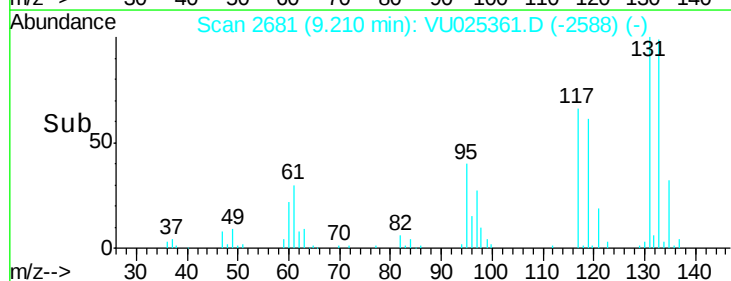
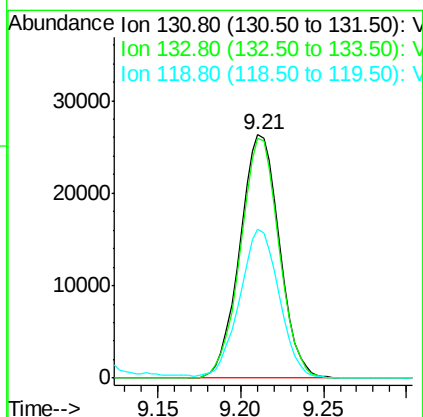
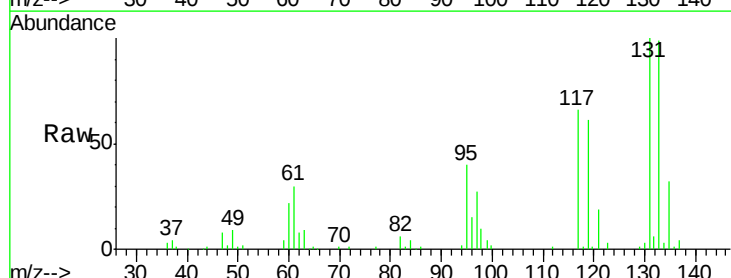
Instrument :
MSVOA_U
ClientSampleId :
VU0712WBS03

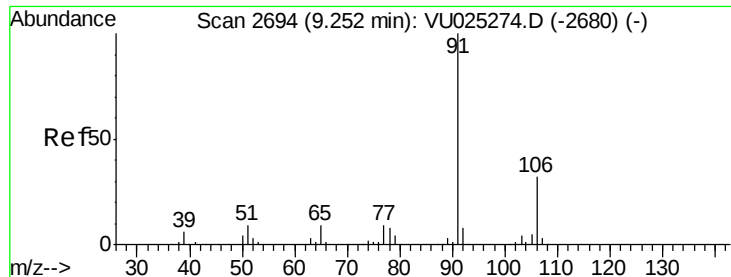
Tot Ion:112 Resp: 114678
Ion Ratio Lower Upper
112 100
114 32.8 25.8 38.8



#66
1,1,1,2-Tetrachloroethane
Concen: 21.11 ug/l
RT: 9.21 min Scan# 2681
Delta R.T. 0.00 min
Lab File: VU025361.D
Acq: 13 Jul 2018 00:49

Tgt Ion:131 Resp: 43784
Ion Ratio Lower Upper
131 100
133 95.8 47.8 143.3
119 61.3 31.6 95.0





#67

Ethyl Benzene

Concen: 19.37 ug/l

RT: 9.25 min Scan# 2694

Delta R.T. 0.00 min

Lab File: VU025361.D

Acq: 13 Jul 2018 00:49

Instrument :

MSVOA_U

ClientSampleId :

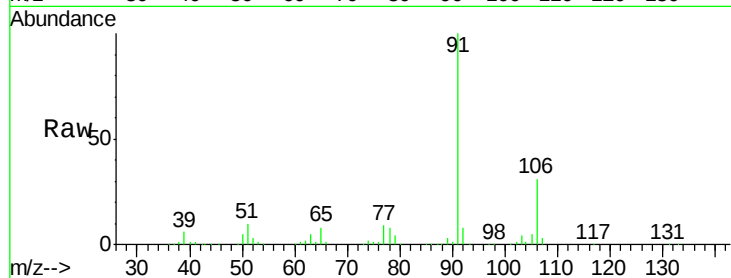
VU0712WBS03

Tot Ion: 91 Resp: 191458

Ion Ratio Lower Upper

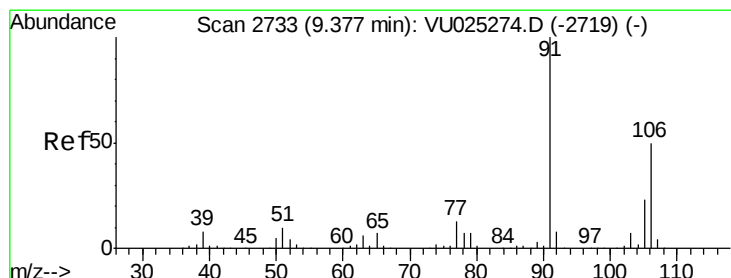
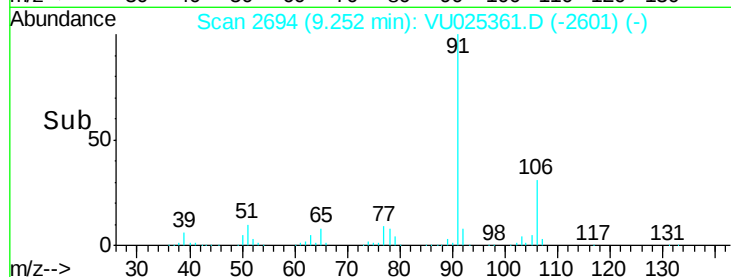
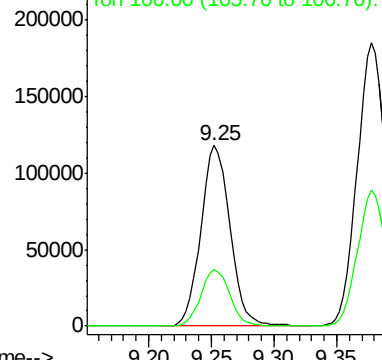
91 100

106 31.2 25.3 37.9



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 38.96 ug/l

RT: 9.38 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VU025361.D

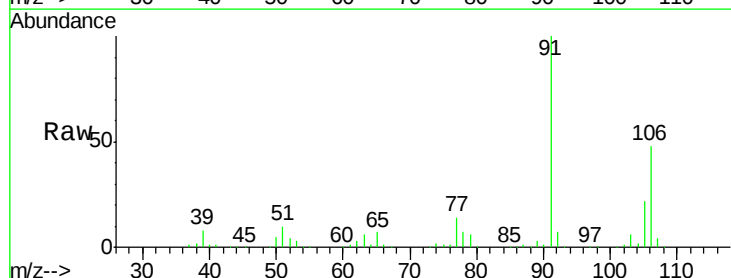
Acq: 13 Jul 2018 00:49

Tgt Ion: 106 Resp: 148862

Ion Ratio Lower Upper

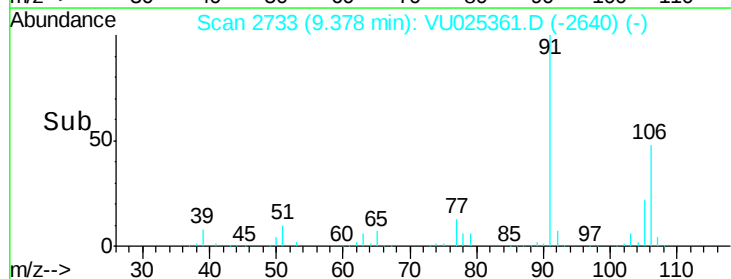
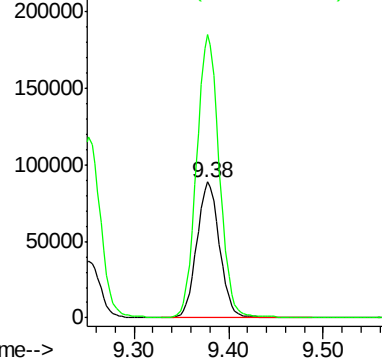
106 100

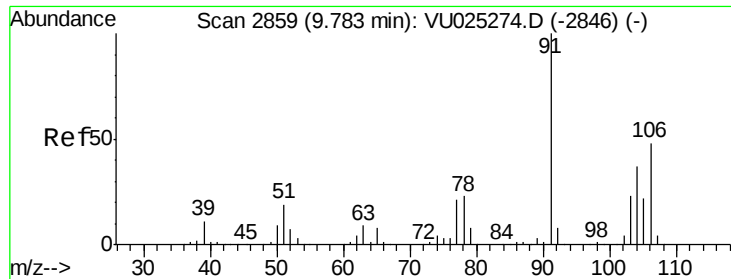
91 207.9 162.3 243.5



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0

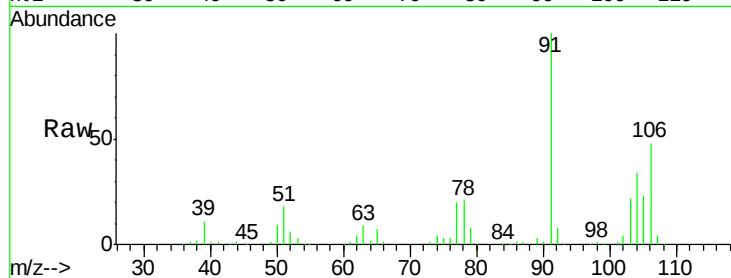




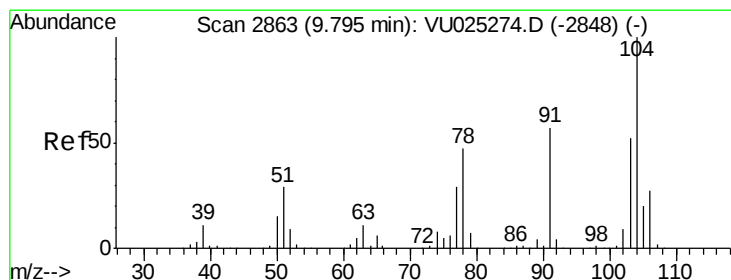
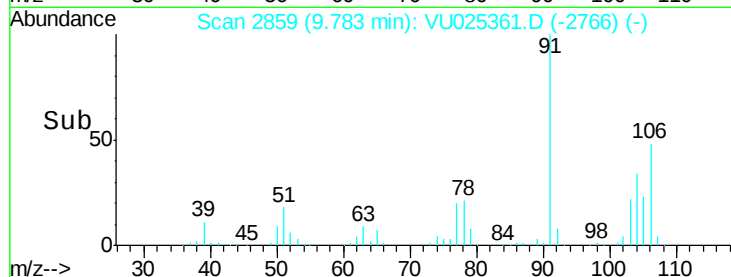
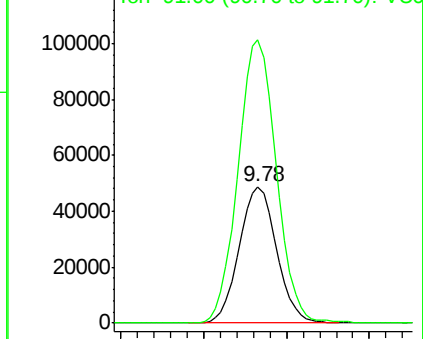
#69
o-Xylene
Concen: 19.96 ug/l
RT: 9.78 min Scan# 2859
Delta R.T. 0.00 min
Lab File: VU025361.D
Acq: 13 Jul 2018 00:49

Instrument :
MSVOA_U
ClientSampleId :
VU0712WBS03

Tot Ion:106 Resp: 76339
Ion Ratio Lower Upper
106 100
91 213.3 105.3 315.8

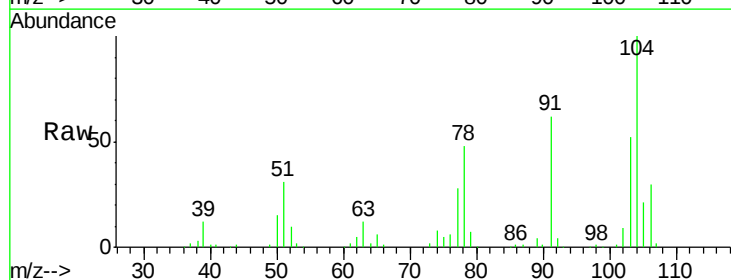


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

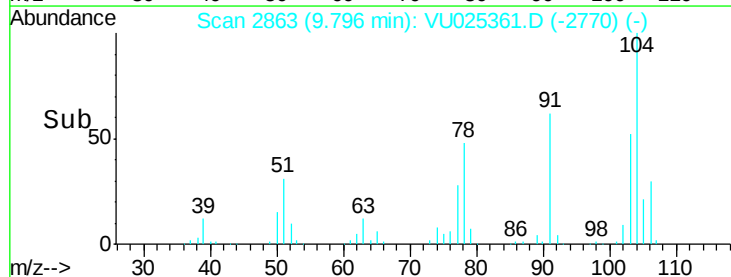
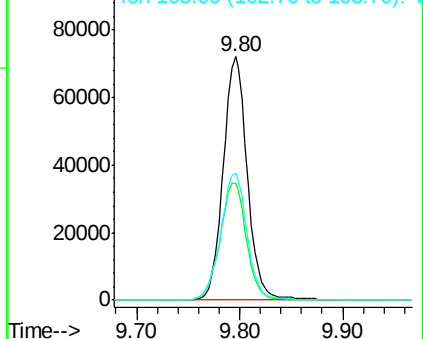


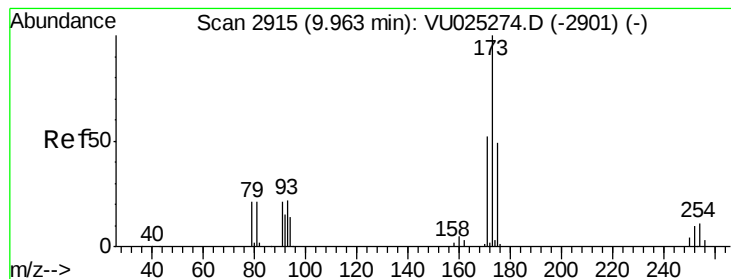
#70
Styrene
Concen: 19.34 ug/l
RT: 9.80 min Scan# 2863
Delta R.T. 0.00 min
Lab File: VU025361.D
Acq: 13 Jul 2018 00:49

Tgt Ion:104 Resp: 117534
Ion Ratio Lower Upper
104 100
78 52.6 41.6 62.4
103 56.6 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: 19.57 ug/l

RT: 9.96 min Scan# 2914

Delta R.T. -0.00 min

Lab File: VU025361.D

Acq: 13 Jul 2018 00:49

Instrument :

MSVOA_U

ClientSampleId :

VU0712WBS03

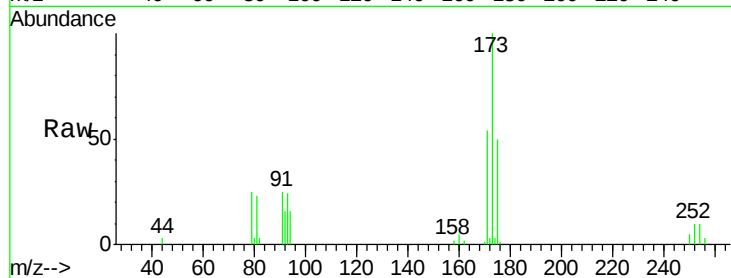
Tot Ion:173 Resp: 33060

Ion Ratio Lower Upper

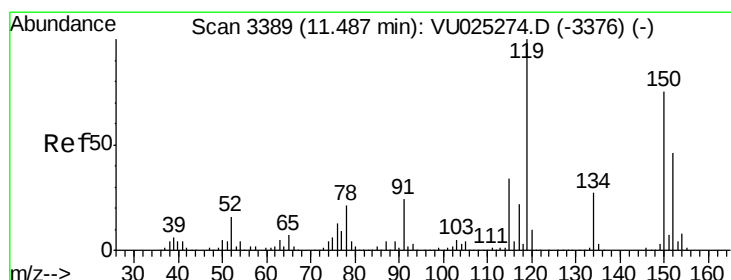
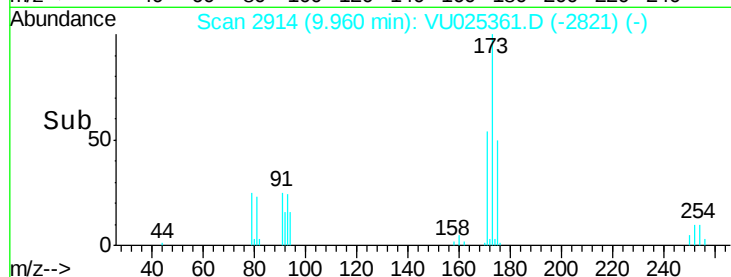
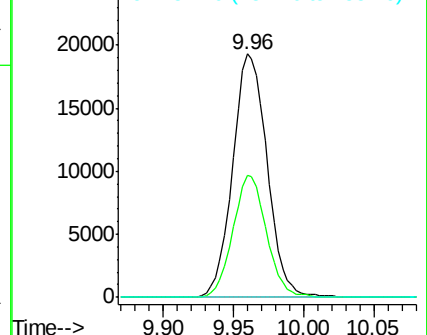
173 100

175 48.6 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: VU025361.D

Acq: 13 Jul 2018 00:49

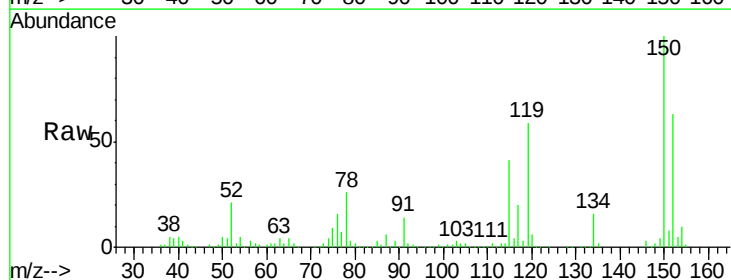
Tgt Ion:152 Resp: 131389

Ion Ratio Lower Upper

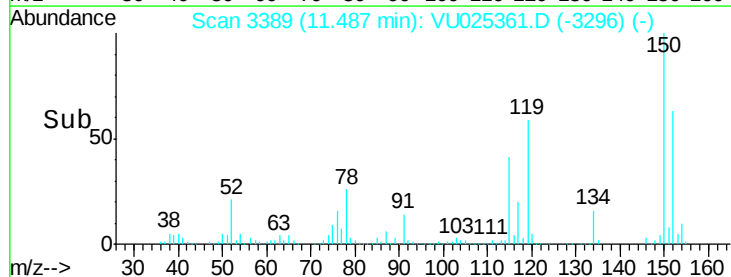
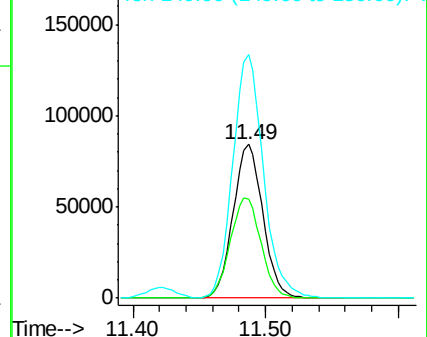
152 100

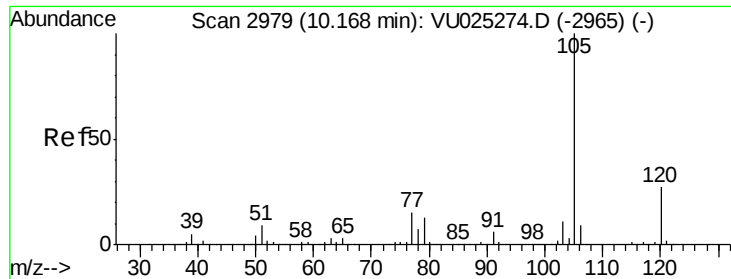
115 67.5 40.1 120.3

150 163.1 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: 20.23 ug/l

RT: 10.17 min Scan# 2979

Delta R.T. 0.00 min

Lab File: VU025361.D

Acq: 13 Jul 2018 00:49

Instrument :

MSVOA_U

ClientSampleId :

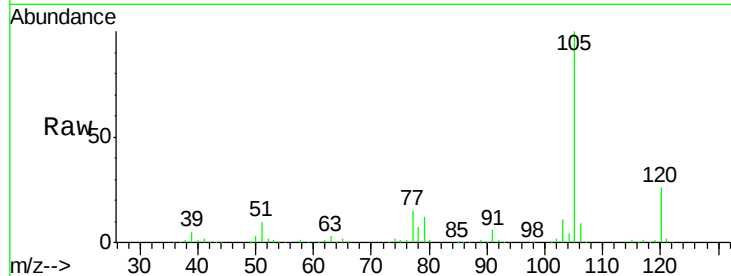
VU0712WBS03

Tot Ion:105 Resp: 203080

Ion Ratio Lower Upper

105 100

120 26.3 13.5 40.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

10.17

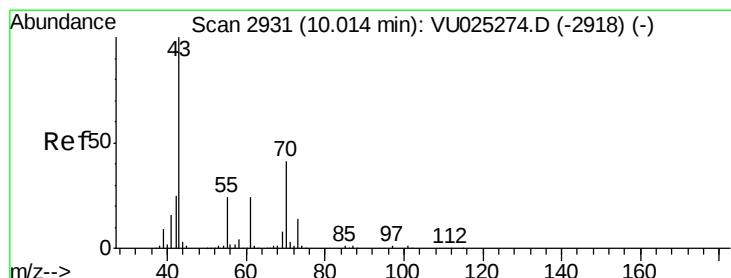
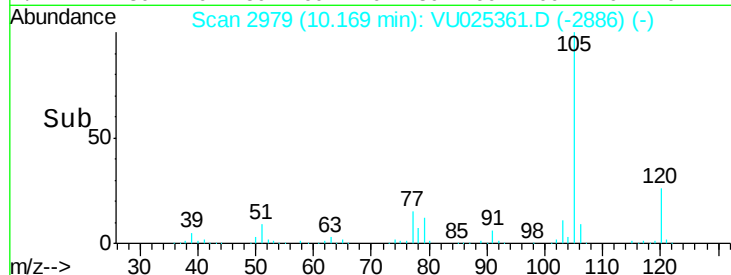
150000

100000

50000

0

Time-->



#74

N-ethyl acetate

Concen: 21.33 ug/l

RT: 10.01 min Scan# 2931

Delta R.T. 0.00 min

Lab File: VU025361.D

Acq: 13 Jul 2018 00:49

Tgt Ion: 43 Resp: 84563

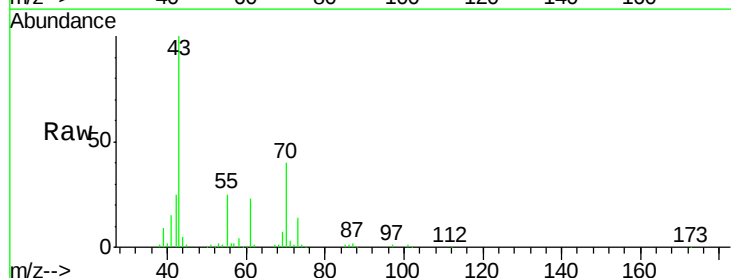
Ion Ratio Lower Upper

43 100

70 41.7 33.4 50.2

55 24.1 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

10.01

80000

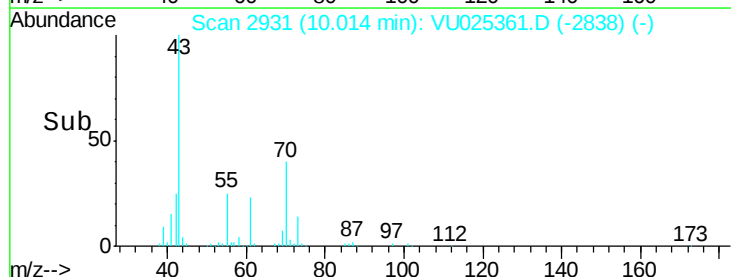
60000

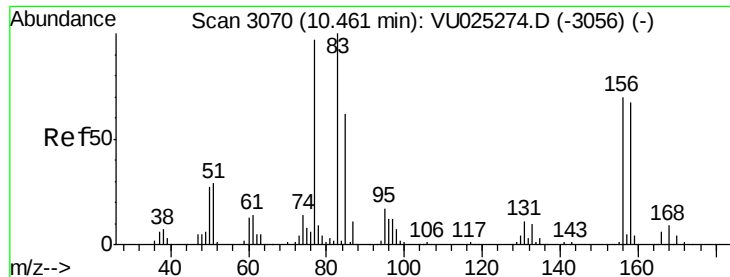
40000

20000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 20.82 ug/l

RT: 10.46 min Scan# 3070

Delta R.T. 0.00 min

Lab File: VU025361.D

Acq: 13 Jul 2018 00:49

Instrument :

MSVOA_U

ClientSampleId :

VU0712WBS03

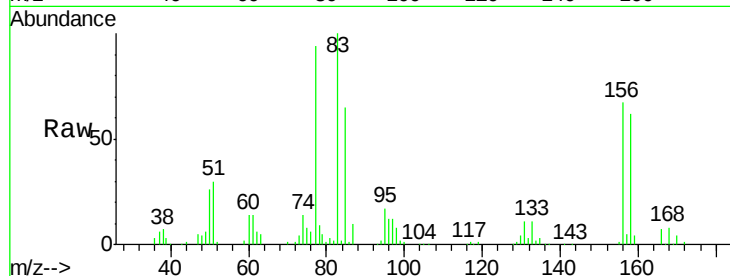
Tot Ion: 83 Resp: 68374

Ion Ratio Lower Upper

83 100

131 11.1 5.5 16.4

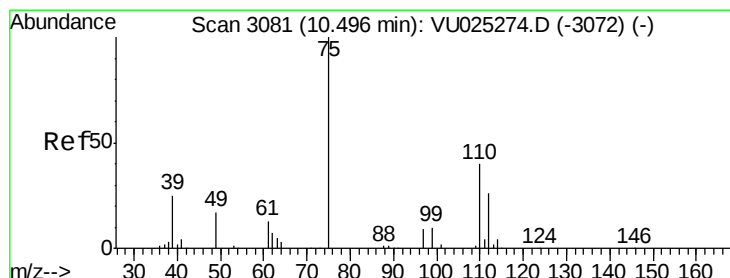
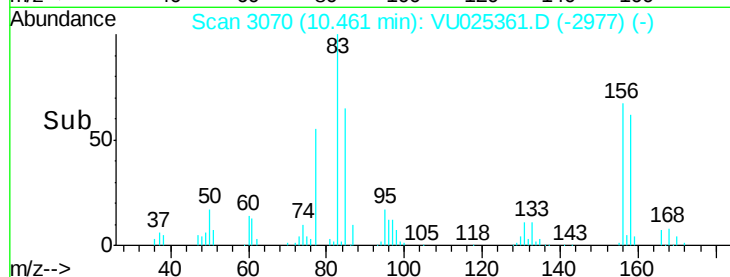
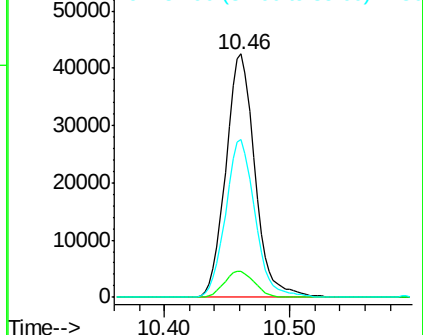
85 65.7 31.6 94.8



Abundance Ion 82.90 (82.60 to 83.60): VU025274.D (-3056) (-)

Ion 130.80 (130.50 to 131.50): VU025274.D (-3056) (-)

Ion 84.90 (84.60 to 85.60): VU025274.D (-3056) (-)



#76

1,2,3-Trichloropropane

Concen: 28.36 ug/l

RT: 10.50 min Scan# 3081

Delta R.T. 0.00 min

Lab File: VU025361.D

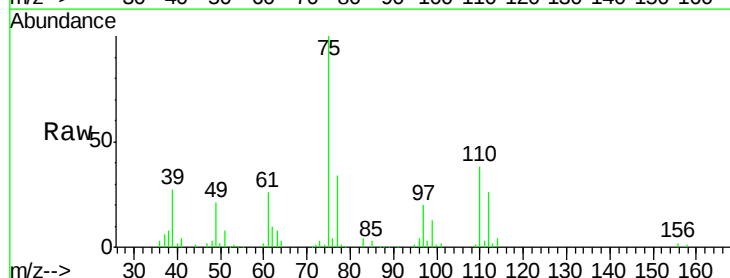
Acq: 13 Jul 2018 00:49

Tgt Ion: 75 Resp: 75856

Ion Ratio Lower Upper

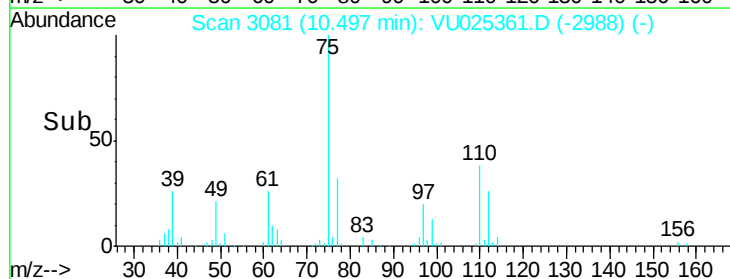
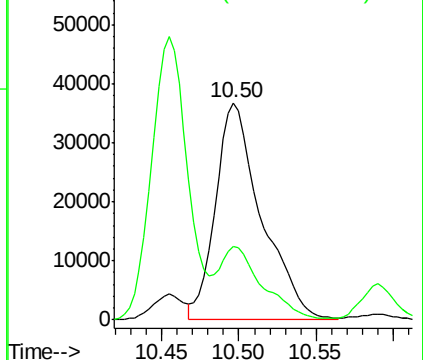
75 100

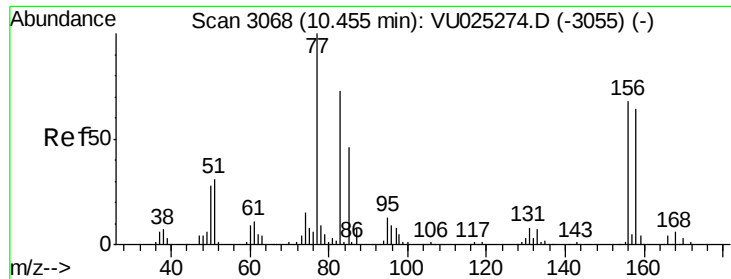
77 30.6 20.4 61.3



Abundance Ion 74.90 (74.60 to 75.60): VU025274.D (-3072) (-)

Ion 77.00 (76.70 to 77.70): VU025274.D (-3072) (-)





#77

Bromobenzene

Concen: 20.52 ug/l

RT: 10.45 min Scan# 3068

Delta R.T. 0.00 min

Lab File: VU025361.D

Acq: 13 Jul 2018 00:49

Instrument :

MSVOA_U

ClientSampleId :

VU0712WBS03

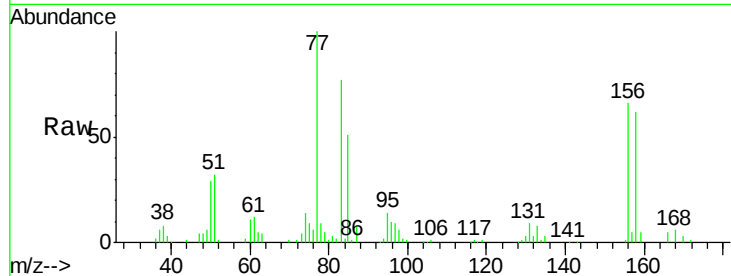
Tot Ion:156 Resp: 52690

Ion Ratio Lower Upper

156 100

77 147.2 73.8 221.4

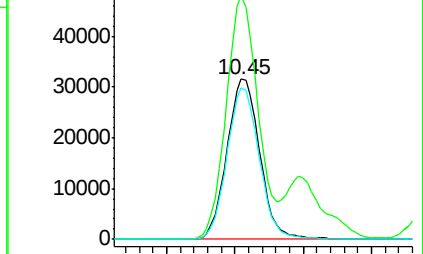
158 93.1 48.0 144.0



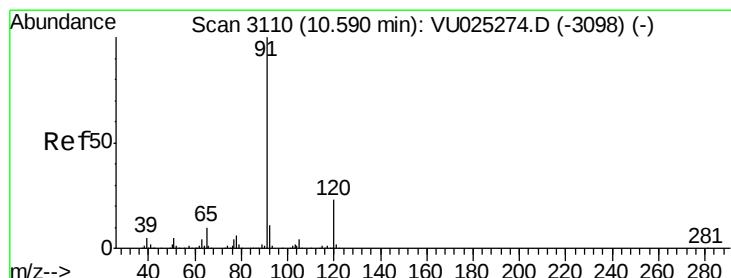
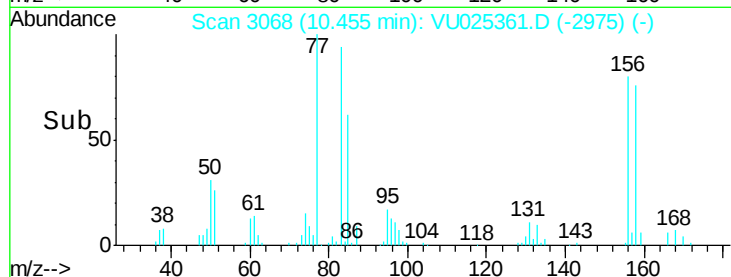
Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VU0

Ion 157.80 (157.50 to 158.50): V



Time-->



#78

n-propylbenzene

Concen: 19.67 ug/l

RT: 10.59 min Scan# 3110

Delta R.T. 0.00 min

Lab File: VU025361.D

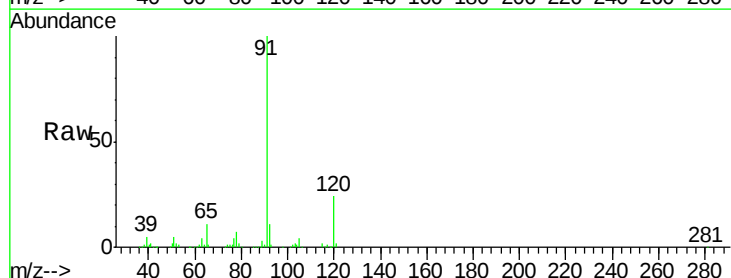
Acq: 13 Jul 2018 00:49

Tgt Ion: 91 Resp: 219162

Ion Ratio Lower Upper

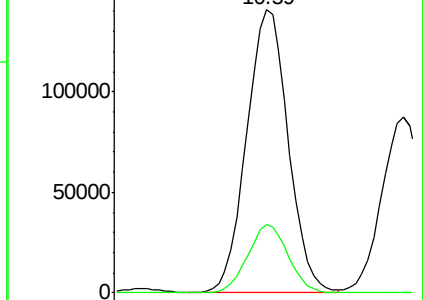
91 100

120 23.7 11.8 35.3

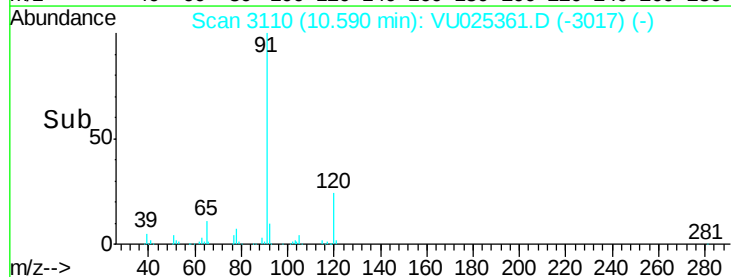


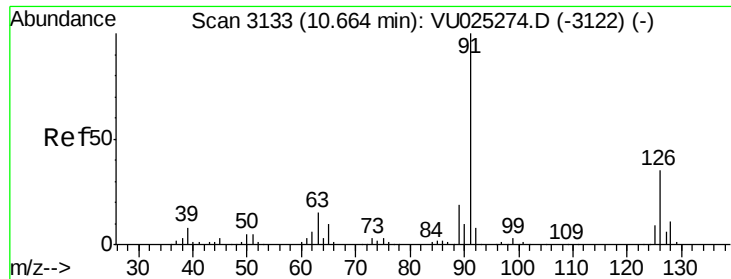
Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V



Time-->





#79

2-Chlorotoluene

Concen: 21.78 ug/l

RT: 10.66 min Scan# 3133

Delta R.T. 0.00 min

Lab File: VU025361.D

Acq: 13 Jul 2018 00:49

Instrument :

MSVOA_U

ClientSampleId :

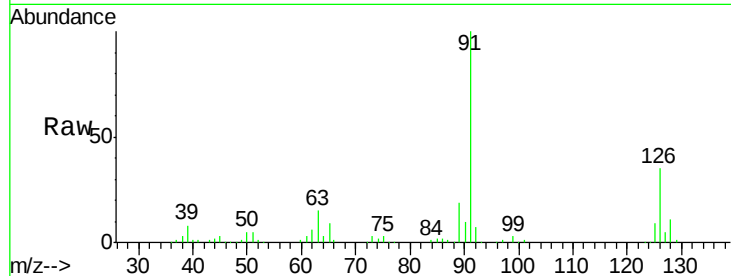
VU0712WBS03

Tot Ion: 91 Resp: 138760

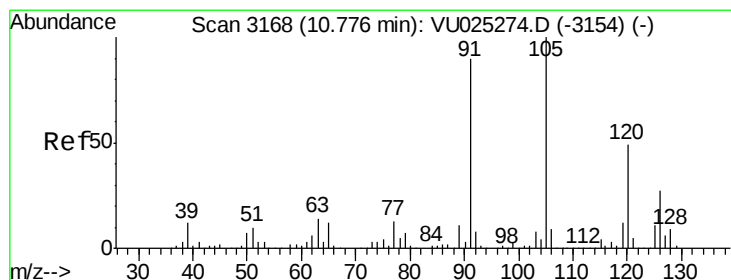
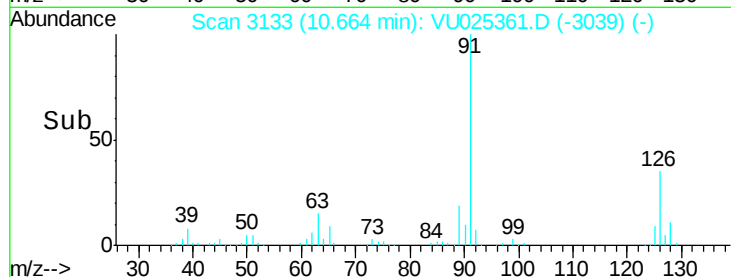
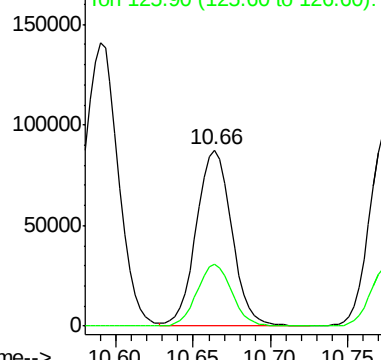
Ion Ratio Lower Upper

91 100

126 34.5 17.5 52.6



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



#80

1,3,5-Trimethylbenzene

Concen: 20.05 ug/l

RT: 10.77 min Scan# 3167

Delta R.T. -0.00 min

Lab File: VU025361.D

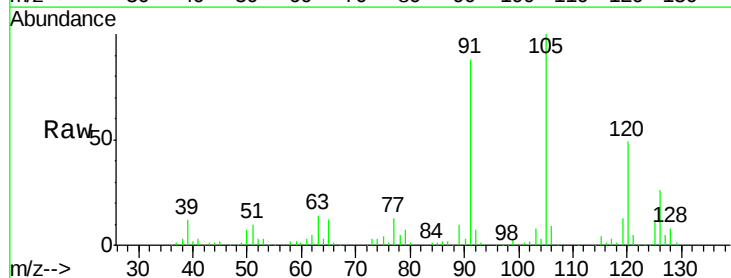
Acq: 13 Jul 2018 00:49

Tgt Ion: 105 Resp: 169339

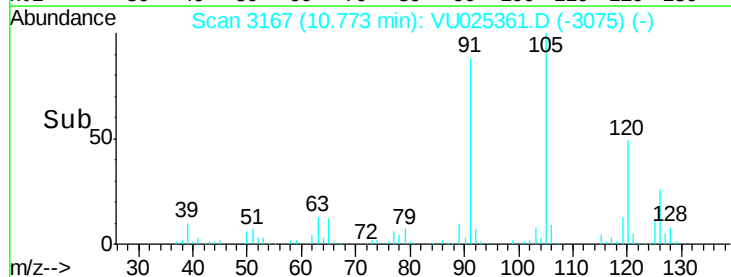
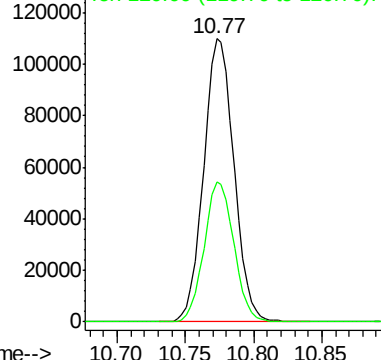
Ion Ratio Lower Upper

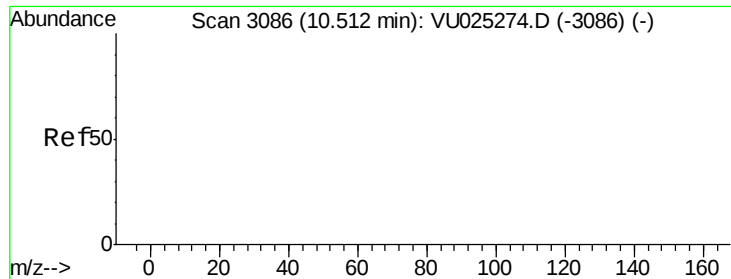
105 100

120 48.6 24.1 72.2



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

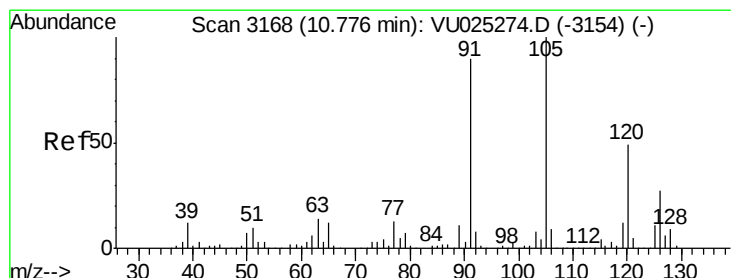
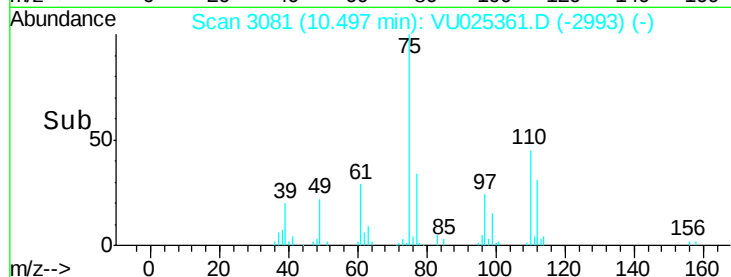
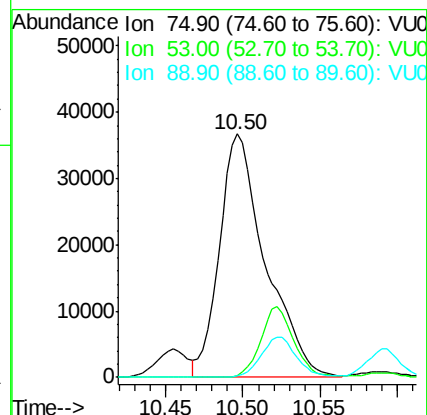
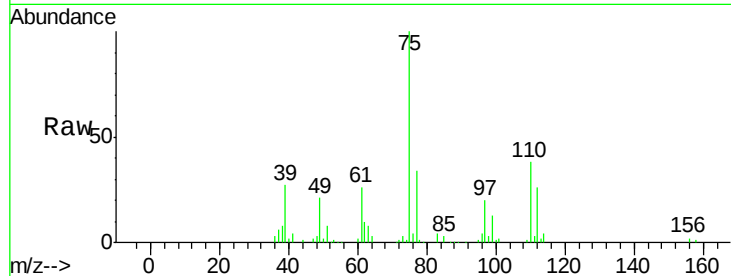




#81
trans-1,4-Dichloro-2-butene
Concen: 72.47 ug/l
RT: 10.50 min Scan# 3081
Delta R.T. -0.02 min
Lab File: VU025361.D
Acq: 13 Jul 2018 00:49

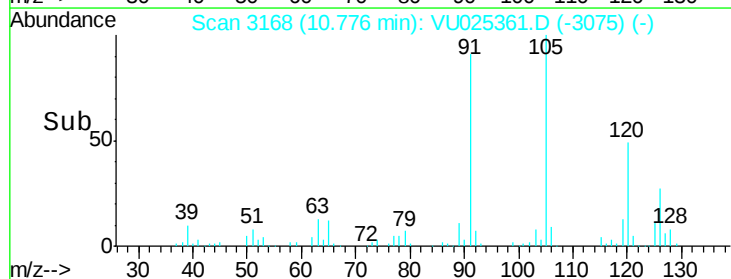
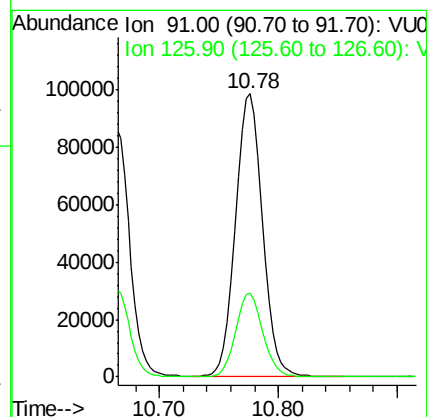
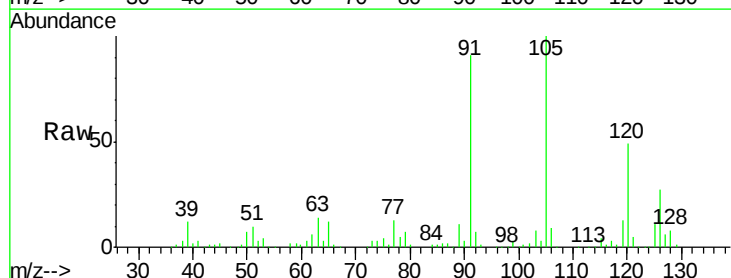
Instrument :
MSVOA_U
ClientSampleId :
VU0712WBS03

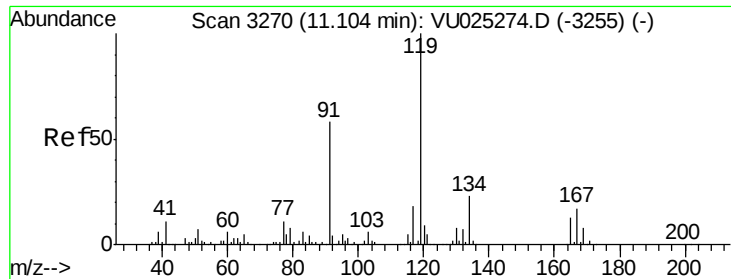
Tot Ion: 75 Resp: 75856
Ion Ratio Lower Upper
75 100
53 0.0 0.0 0.0
89 0.0 0.0 0.0



#82
4-Chlorotoluene
Concen: 19.79 ug/l
RT: 10.78 min Scan# 3168
Delta R.T. 0.00 min
Lab File: VU025361.D
Acq: 13 Jul 2018 00:49

Tgt Ion: 91 Resp: 156097
Ion Ratio Lower Upper
91 100
126 29.6 15.3 45.9

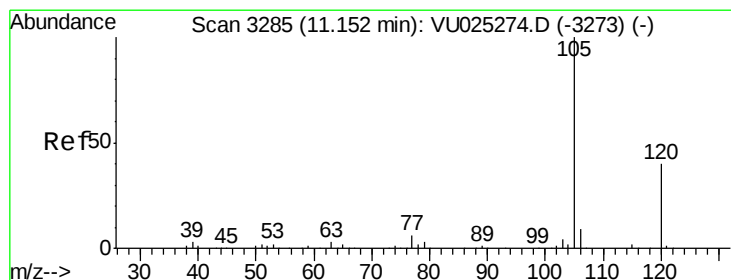
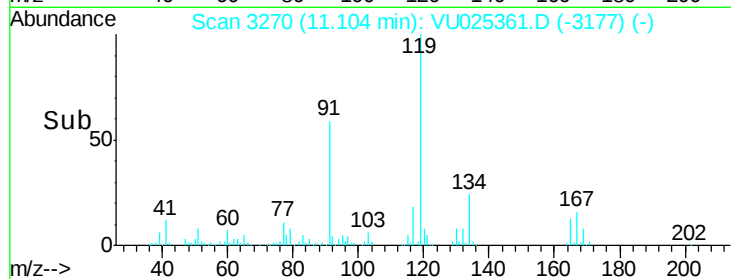
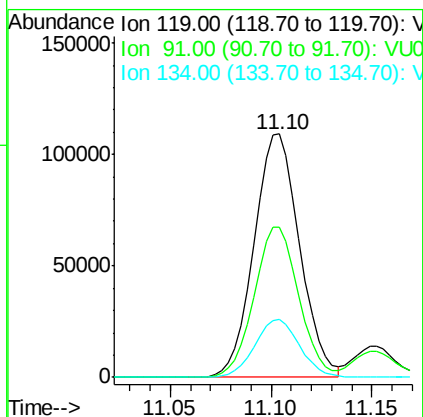
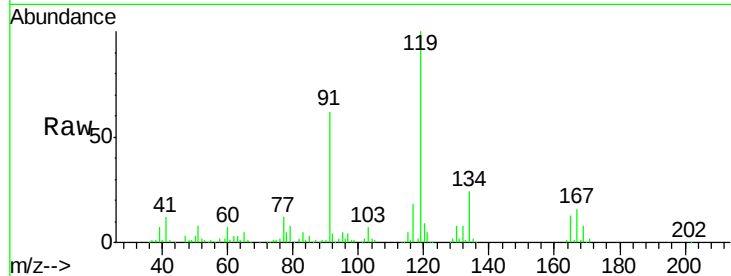




#83
tert-Butylbenzene
Concen: 20.15 ug/l
RT: 11.10 min Scan# 3270
Delta R.T. 0.00 min
Lab File: VU025361.D
Acq: 13 Jul 2018 00:49

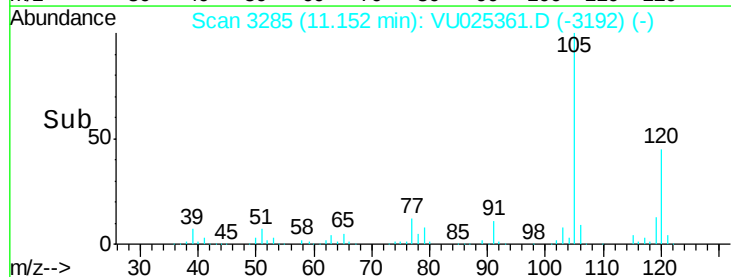
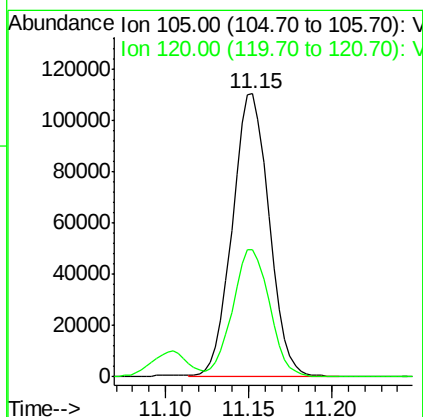
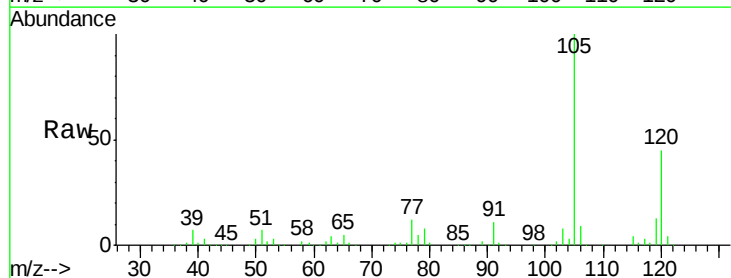
Instrument :
MSVOA_U
ClientSampleId :
VU0712WBS03

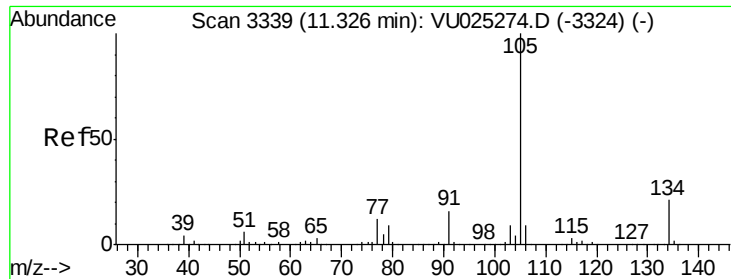
Tot Ion:119 Resp: 171991
Ion Ratio Lower Upper
119 100
91 60.7 29.7 89.1
134 23.5 11.5 34.5



#84
1,2,4-Trimethylbenzene
Concen: 19.58 ug/l
RT: 11.15 min Scan# 3285
Delta R.T. 0.00 min
Lab File: VU025361.D
Acq: 13 Jul 2018 00:49

Tgt Ion:105 Resp: 169542
Ion Ratio Lower Upper
105 100
120 45.6 22.3 66.8

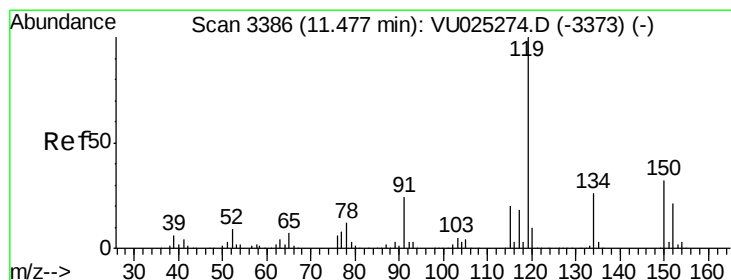
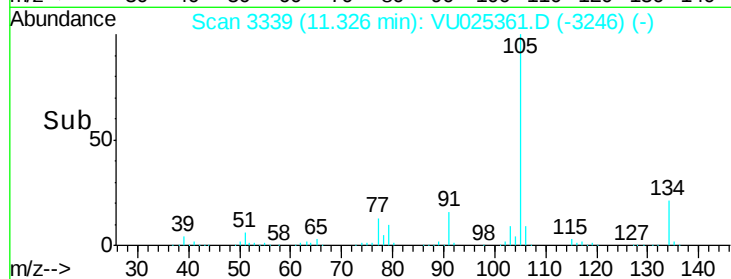
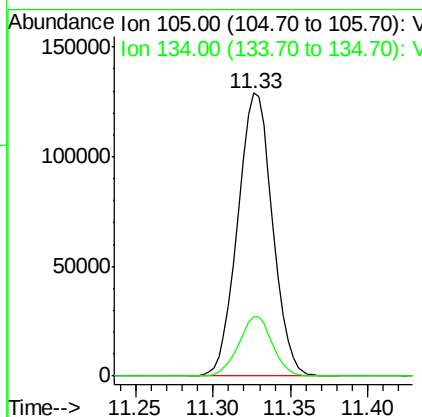
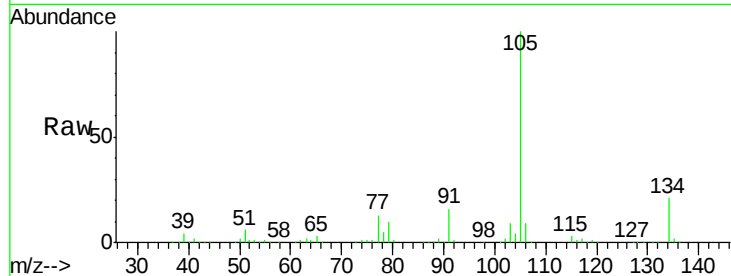




#85
 sec-Butylbenzene
 Concen: 20.07 ug/l
 RT: 11.33 min Scan# 3339
 Delta R.T. 0.00 min
 Lab File: VU025361.D
 Acq: 13 Jul 2018 00:49

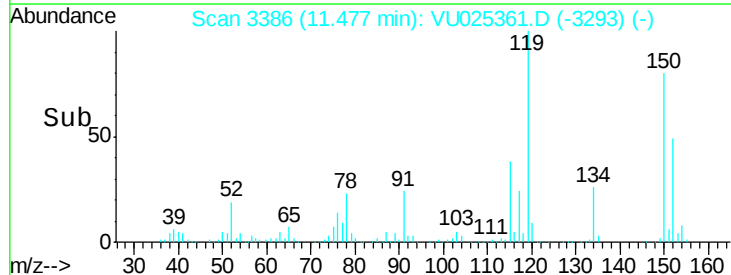
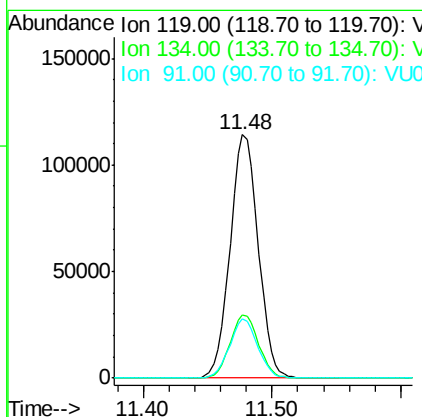
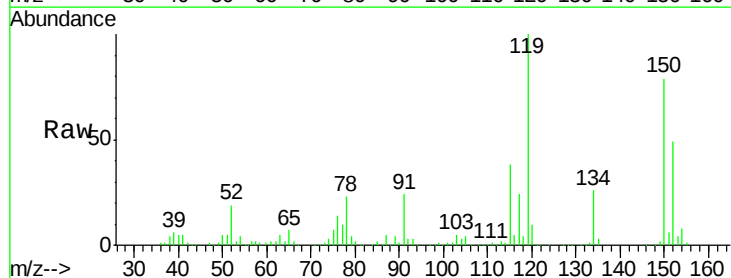
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0712WBS03

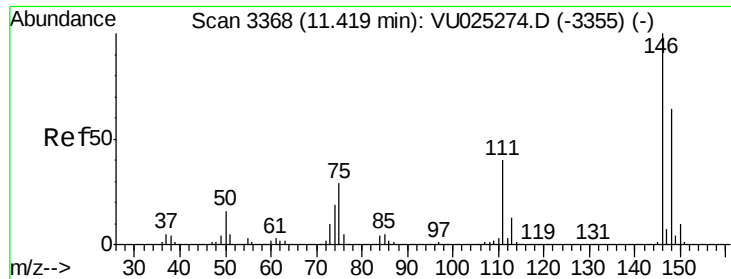
Tot Ion:105 Resp: 201745
 Ion Ratio Lower Upper
 105 100
 134 20.4 10.3 30.8



#86
 p-Isopropyltoluene
 Concen: 19.37 ug/l
 RT: 11.48 min Scan# 3386
 Delta R.T. 0.00 min
 Lab File: VU025361.D
 Acq: 13 Jul 2018 00:49

Tgt Ion:119 Resp: 172378
 Ion Ratio Lower Upper
 119 100
 134 26.4 13.2 39.5
 91 24.2 12.0 36.1

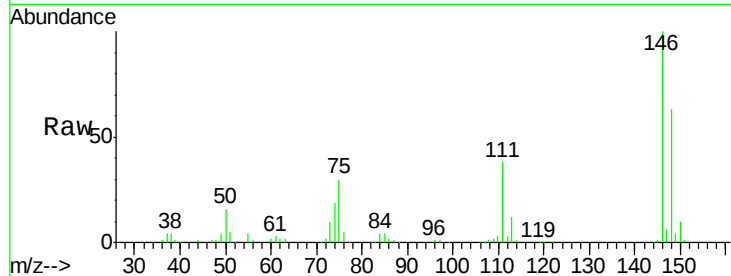




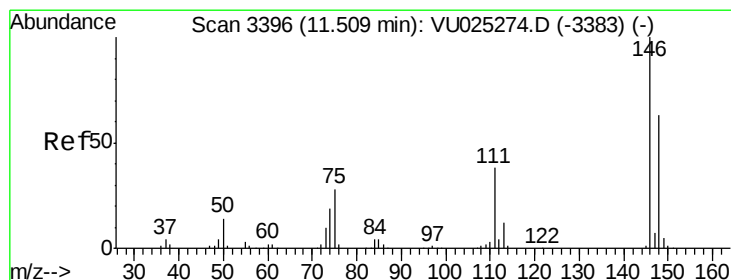
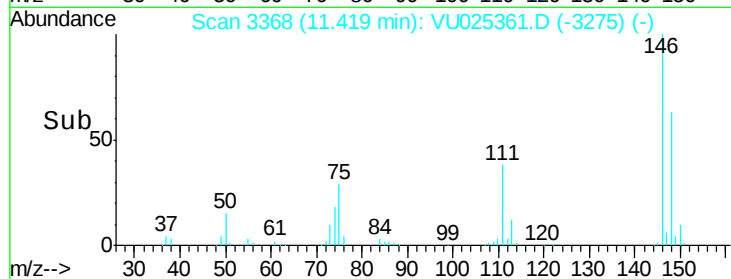
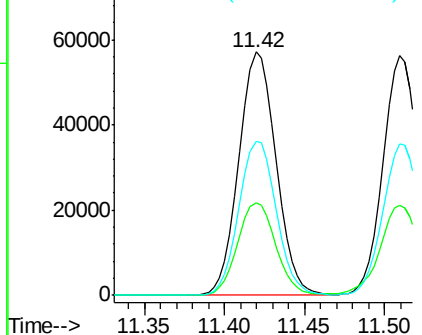
#87
 1,3-Dichlorobenzene
 Concen: 19.33 ug/l
 RT: 11.42 min Scan# 3368
 Delta R.T. 0.00 min
 Lab File: VU025361.D
 Acq: 13 Jul 2018 00:49

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0712WBS03

Tot Ion:146 Resp: 90748
 Ion Ratio Lower Upper
 146 100
 111 39.0 19.7 59.1
 148 63.8 32.1 96.3

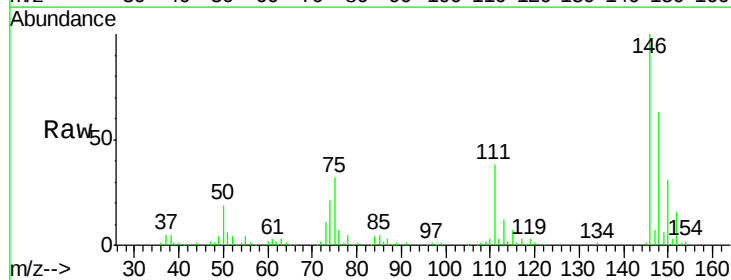


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

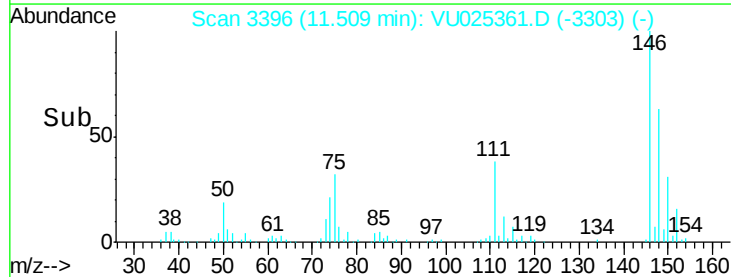
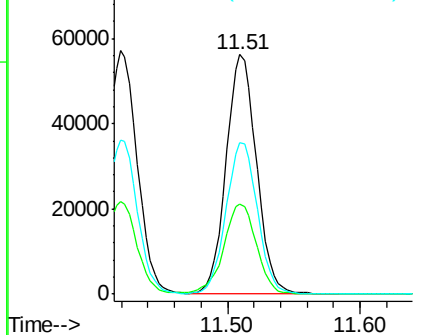


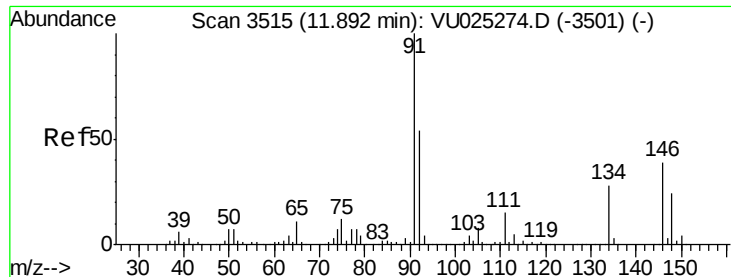
#88
 1,4-Dichlorobenzene
 Concen: 20.45 ug/l
 RT: 11.51 min Scan# 3396
 Delta R.T. 0.00 min
 Lab File: VU025361.D
 Acq: 13 Jul 2018 00:49

Tgt Ion:146 Resp: 89607
 Ion Ratio Lower Upper
 146 100
 111 40.7 19.4 58.1
 148 65.6 31.7 95.1



Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

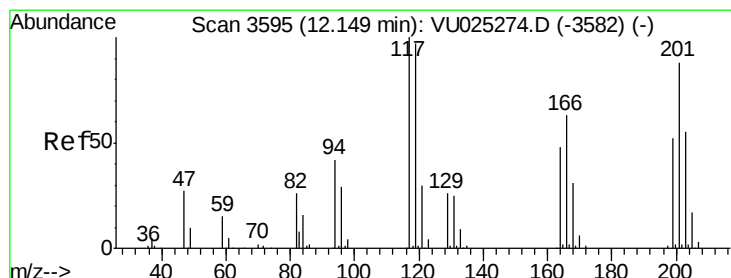
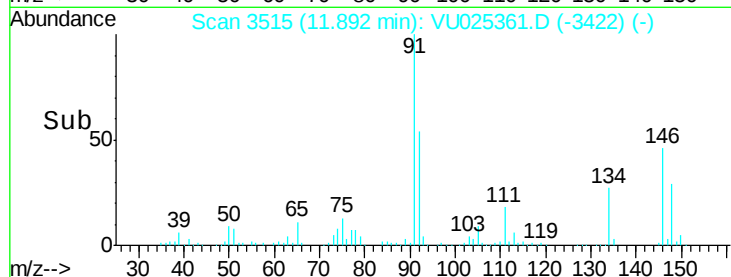
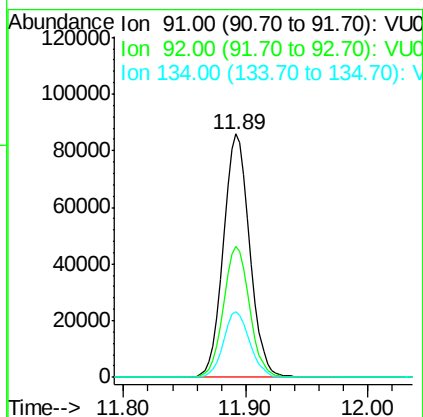
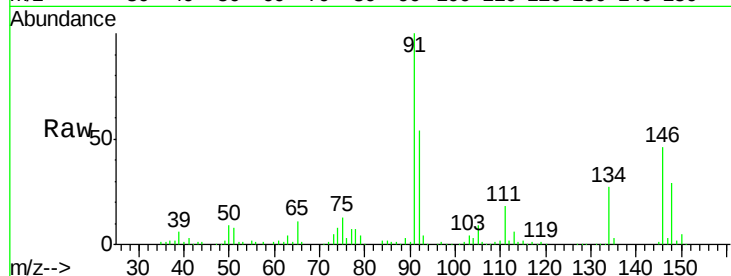




#89
n-Butylbenzene
Concen: 17.86 ug/l
RT: 11.89 min Scan# 3515
Delta R.T. 0.00 min
Lab File: VU025361.D
Acq: 13 Jul 2018 00:49

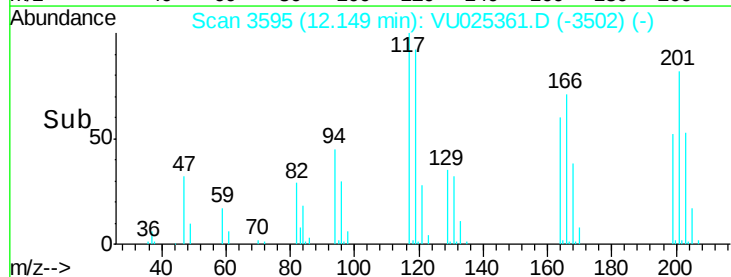
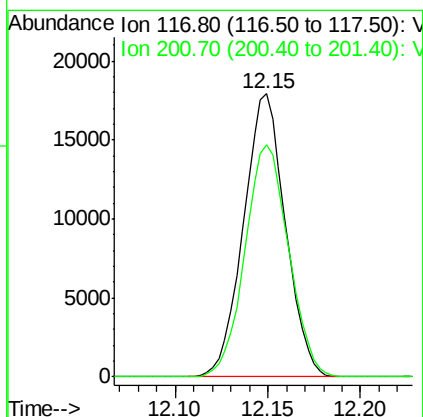
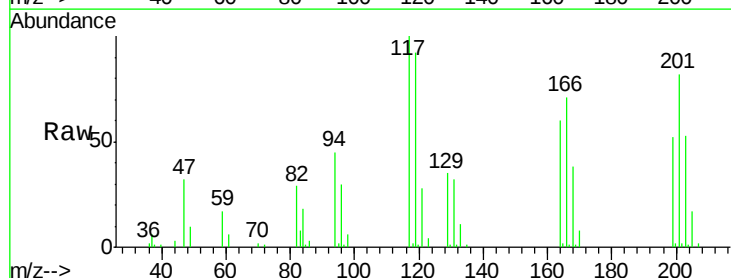
Instrument :
MSVOA_U
ClientSampleId :
VU0712WBS03

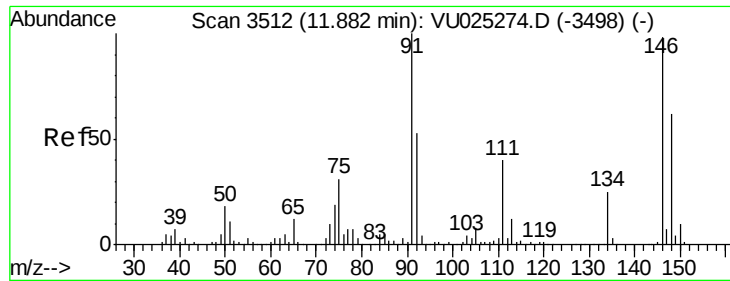
Tot Ion: 91 Resp: 130668
Ion Ratio Lower Upper
91 100
92 53.1 26.5 79.5
134 26.8 13.6 40.7



#90
Hexachloroethane
Concen: 18.59 ug/l
RT: 12.15 min Scan# 3595
Delta R.T. 0.00 min
Lab File: VU025361.D
Acq: 13 Jul 2018 00:49

Tgt Ion: 117 Resp: 28014
Ion Ratio Lower Upper
117 100
201 85.4 42.5 127.6

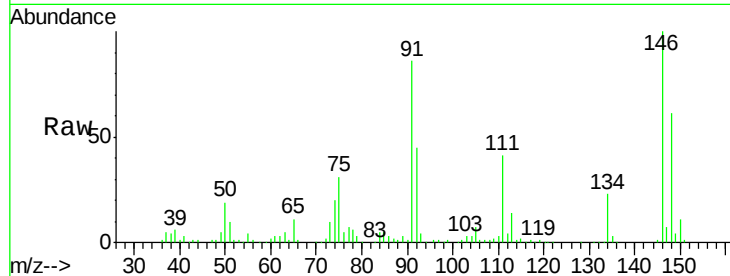




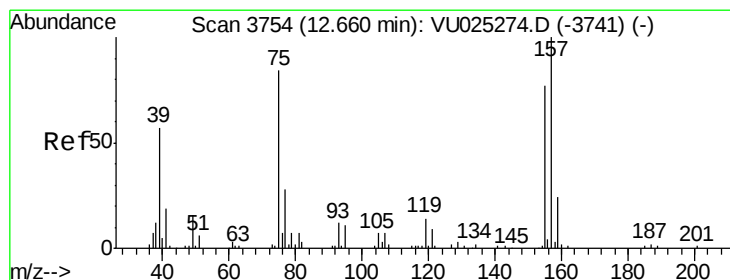
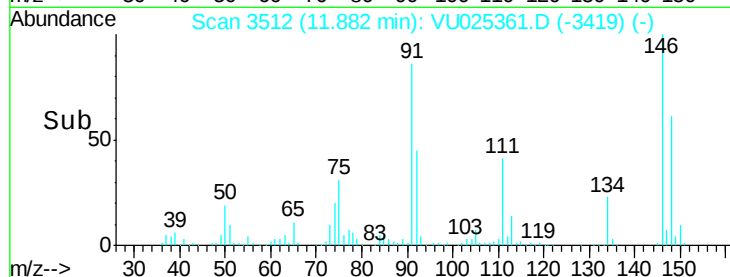
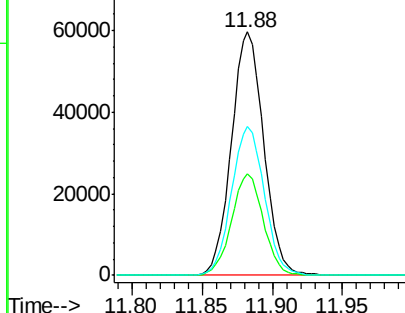
#91
 1,2-Dichlorobenzene
 Concen: 20.21 ug/l
 RT: 11.88 min Scan# 3512
 Delta R.T. 0.00 min
 Lab File: VU025361.D
 Acq: 13 Jul 2018 00:49

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0712WBS03

Tot Ion:146 Resp: 95795
 Ion Ratio Lower Upper
 146 100
 111 40.9 20.6 61.8
 148 61.8 31.5 94.5

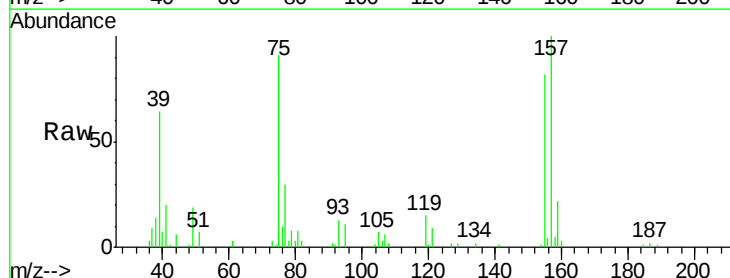


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

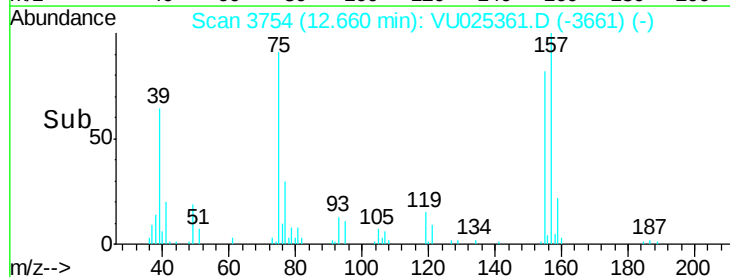
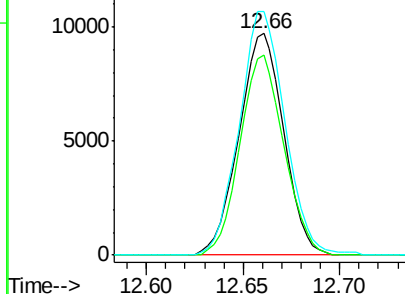


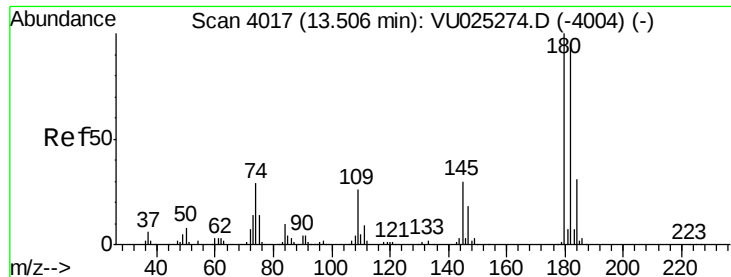
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.65 ug/l
 RT: 12.66 min Scan# 3754
 Delta R.T. 0.00 min
 Lab File: VU025361.D
 Acq: 13 Jul 2018 00:49

Tgt Ion: 75 Resp: 15649
 Ion Ratio Lower Upper
 75 100
 155 88.2 44.5 133.3
 157 112.2 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

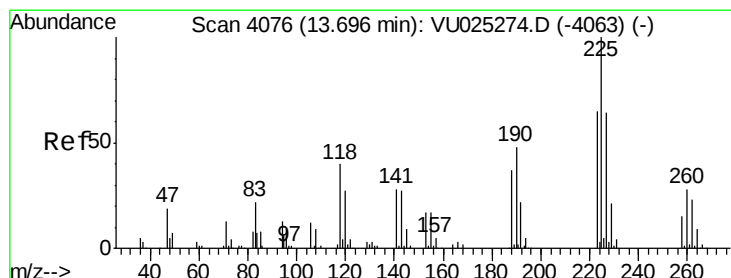
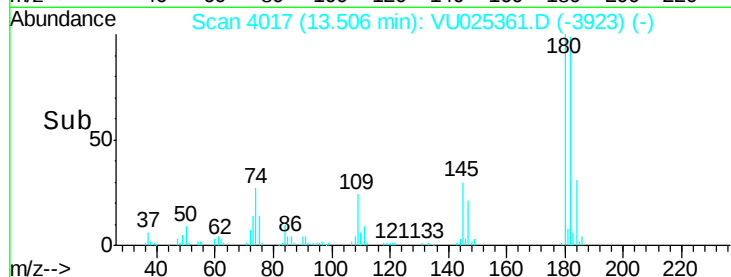
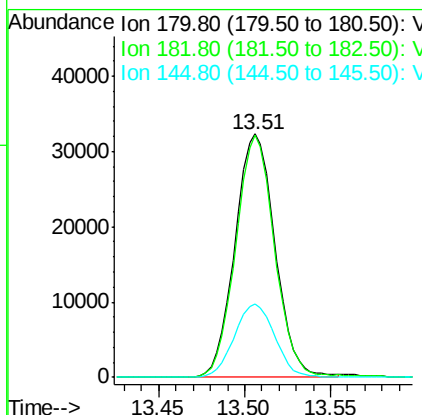
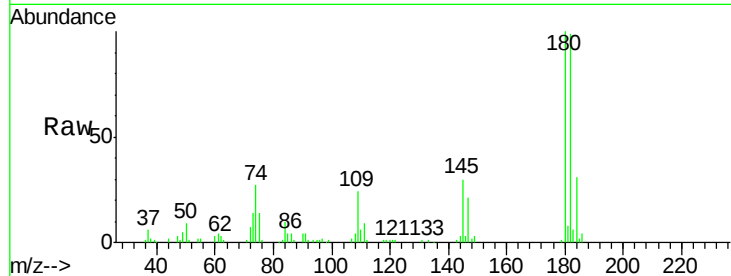




#93
 1,2,4-Trichlorobenzene
 Concen: 18.66 ug/l
 RT: 13.51 min Scan# 4017
 Delta R.T. 0.00 min
 Lab File: VU025361.D
 Acq: 13 Jul 2018 00:49

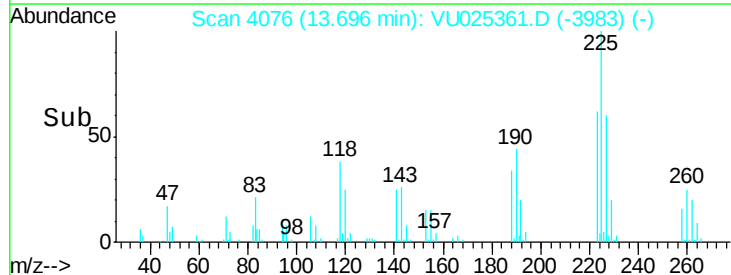
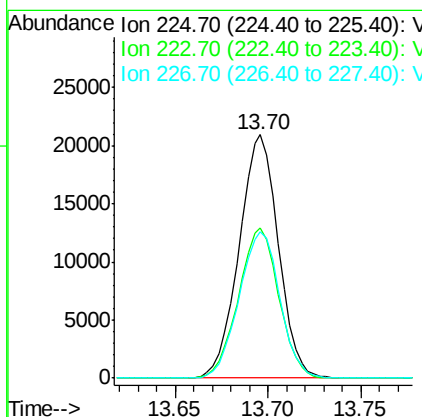
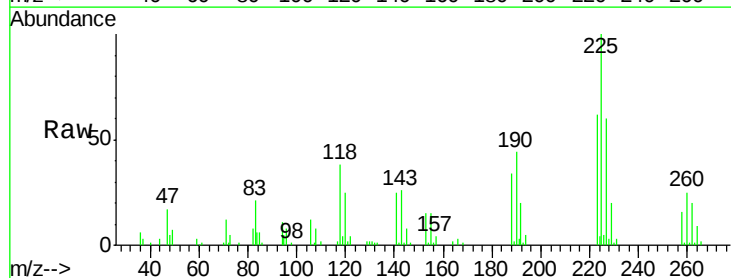
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0712WBS03

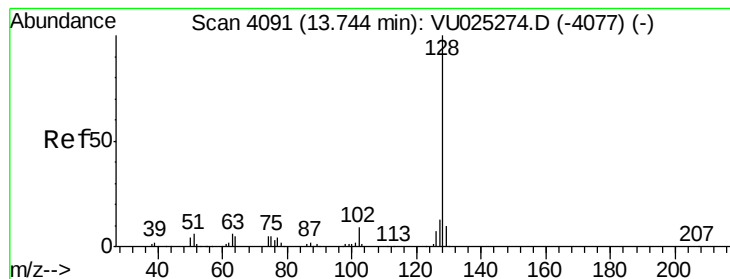
Tot Ion:180 Resp: 52248
 Ion Ratio Lower Upper
 180 100
 182 96.5 47.3 141.9
 145 30.4 14.9 44.7



#94
 Hexachlorobutadiene
 Concen: 18.14 ug/l
 RT: 13.70 min Scan# 4076
 Delta R.T. 0.00 min
 Lab File: VU025361.D
 Acq: 13 Jul 2018 00:49

Tgt Ion:225 Resp: 30751
 Ion Ratio Lower Upper
 225 100
 223 63.3 31.9 95.7
 227 62.5 32.3 96.9





#95

Naphthalene

Concen: 18.86 ug/l

RT: 13.74 min Scan# 4091

Delta R.T. 0.00 min

Lab File: VU025361.D

Acq: 13 Jul 2018 00:49

Instrument :

MSVOA_U

ClientSampleId :

VU0712WBS03

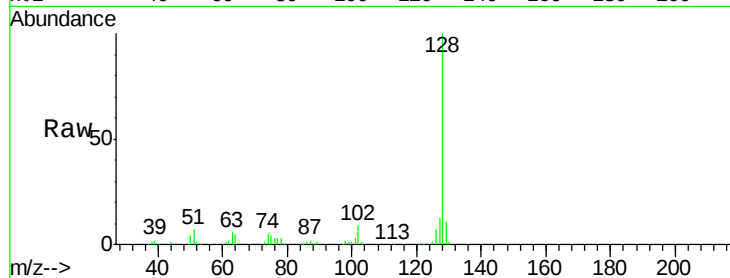
Tot Ion:128 Resp: 166702

Ion Ratio Lower Upper

128 100

127 12.6 10.5 15.7

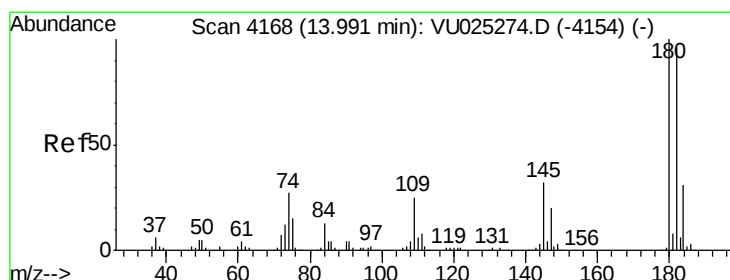
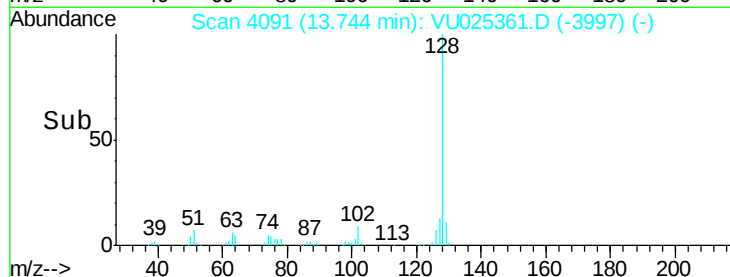
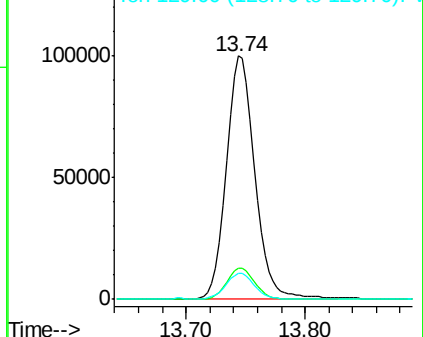
129 10.4 8.3 12.5



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 19.09 ug/l

RT: 13.99 min Scan# 4168

Delta R.T. 0.00 min

Lab File: VU025361.D

Acq: 13 Jul 2018 00:49

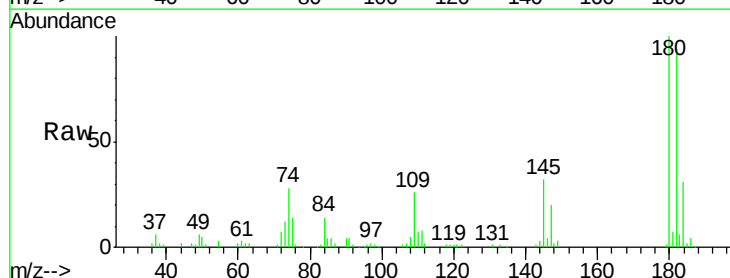
Tgt Ion:180 Resp: 56201

Ion Ratio Lower Upper

180 100

182 94.9 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

