

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U0102318\
 Data File : VU027761.D
 Acq On : 23 Oct 2018 13:33
 Operator : MD/SY
 Sample : J5026-05
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Oct 24 05:12:23 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U0102318DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Tue Oct 23 09:12:15 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	5.74	96	12625	1.00	ug/l	0.00

System Monitoring Compounds

57) 4-Bromofluorobenzene	10.31	95	4677	0.98	ug/l	0.00
Spiked Amount	1.000		Recovery	=	98.00%	
68) 1,2-Dichlorobenzene-d4	11.86	152	3987	0.88	ug/l	0.00
Spiked Amount	1.000		Recovery	=	88.00%	

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.21	85	157917	31.501	ug/l 100
3) Chloromethane	1.40	50	849	0.158	ug/l # 41
4) Vinyl Chloride	1.40	62	136284	27.237	ug/l 96
5) Bromomethane	1.63	94	48386	18.383	ug/l 100
6) Chloroethane	1.70	64	34499	12.716	ug/l 96
7) Trichlorofluoromethane	1.89	101	133433	21.882	ug/l 99
9) 1,1-Dichloroethene	2.29	96	51456	18.274	ug/l 99
10) Iodomethane	2.41	142	121	0.032	ug/l # 28
11) Allyl Chloride	2.70	41	2428	0.364	ug/l # 15
12) Acrylonitrile	3.01	53	3173	3.697	ug/l # 26
13) Acetone	2.34	43	882	1.126	ug/l # 47
14) Carbon Disulfide	2.48	76	140	0.013	ug/l # 75
15) Methylene Chloride	2.70	84	40648	11.455	ug/l 99
16) trans-1,2-Dichloroethene	2.98	96	10050	3.206	ug/l 95
18) 2-Butanone	4.28	43	166	0.128	ug/l 79
20) Methylcyclohexane	6.43	83	369	0.059	ug/l # 31
21) 2,2-Dichloropropane	4.25	77	134	0.022	ug/l # 1
22) cis-1,2-Dichloroethene	4.23	96	60238	16.052	ug/l 87
23) Diethyl Ether	2.29	59	3471	1.296	ug/l # 12
24) tert-Butyl Alcohol	2.98	59	485	1.698	ug/l # 1
25) Methyl tert-Butyl Ether	3.01	73	302561	33.745	ug/l 100
27) Chloroform	4.68	83	517	0.077	ug/l 93
28) 1,1,1-Trichloroethane	4.92	97	18672	3.114	ug/l 97
29) 1,1-Dichloropropene	5.13	75	77083	14.722	ug/l 99
30) Carbon Tetrachloride	5.13	117	20416	3.811	ug/l 96
31) Isopropyl Ether	3.39	45	43	0.003	ug/l # 1
32) Ethyl-t-butyl ether	4.22	59	2179	0.197	ug/l # 38
36) 1,2-Dichloroethane	5.41	62	78556	16.132	ug/l 99
37) Trichloroethene	6.19	130	38309	10.613	ug/l 93
38) 1,2-Dichloropropane	6.43	63	67497	16.427	ug/l 99
39) Methacrylonitrile	4.67	41	66	0.039	ug/l # 28
41) Tetrahydrofuran	4.67	42	42	0.044	ug/l # 40
46) t-1,4-Dichloro-2-butene	10.49	75	48777	44.618	ug/l # 19
50) t-1,3-Dichloropropene	7.88	75	72624	14.371	ug/l 98
51) cis-1,3-Dichloropropene	7.27	75	51683	8.681	ug/l 98
52) 1,1,2-Trichloroethane	8.07	97	12968	5.139	ug/l 96
53) 1,3-Dichloropropane	8.24	76	65514	13.515	ug/l 100
58) Tetrachloroethene	8.23	164	38316	11.254	ug/l 97
59) Chlorobenzene	9.12	112	172	0.018	ug/l # 43
60) 1,1,1,2-Tetrachloroethane	9.21	131	7619	2.253	ug/l 95
63) Ethyl Benzene	9.25	91	318	0.018	ug/l # 45

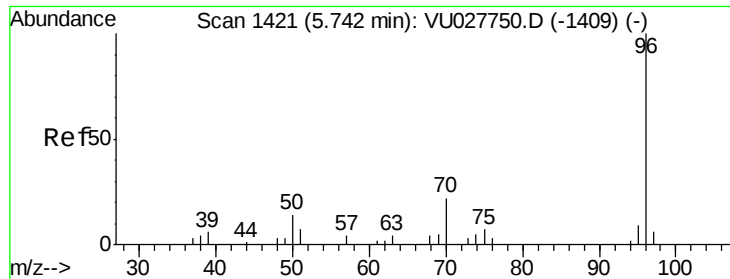
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU102318\
 Data File : VU027761.D
 Acq On : 23 Oct 2018 13:33
 Operator : MD/SY
 Sample : J5026-05
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Oct 24 05:12:23 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U0102318DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Tue Oct 23 09:12:15 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
66) Styrene	9.80	104	134	0.013	ug/l #	23
69) Isopropylbenzene	10.16	105	44	0.003	ug/l #	50
70) 1,1,2,2-Tetrachloroethane	10.49	83	1267	0.378	ug/l #	91
71) 1,2,3-Trichloropropane	10.49	75	48777	18.716	ug/l #	99
75) 1,3,5-Trimethylbenzene	10.78	105	91	0.006	ug/l #	30
78) 1,2,4-Trimethylbenzene	11.15	105	69	0.005	ug/l #	33
79) sec-Butylbenzene	11.33	105	350	0.019	ug/l #	58
82) 1,3-Dichlorobenzene	11.42	146	394	0.052	ug/l #	82
83) 1,4-Dichlorobenzene	11.52	146	405	0.054	ug/l #	54
85) 1,2-Dichlorobenzene	11.88	146	123	0.017	ug/l #	44
87) 1,2,4-Trichlorobenzene	13.52	180	479	0.092	ug/l #	64
90) 1,2,3-Trichlorobenzene	14.00	180	139	0.028	ug/l #	63

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



#1

Fluorobenzene

Concen: 1.000 ug/l

RT: 5.74 min Scan# 1421

Delta R.T. 0.00 min

Lab File: VU027761.D

Acq: 23 Oct 2018 13:33

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 96 Resp: 12625

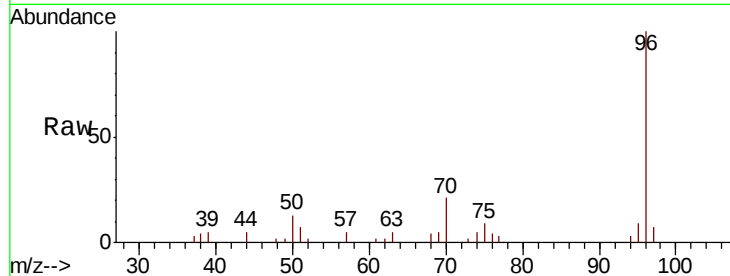
Ion Ratio Lower Upper

96 100

70 22.0 17.7 26.5

95 8.2 7.0 10.6

97 6.1 0.0 0.0#

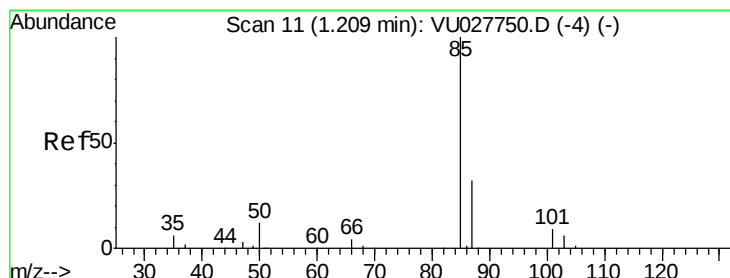
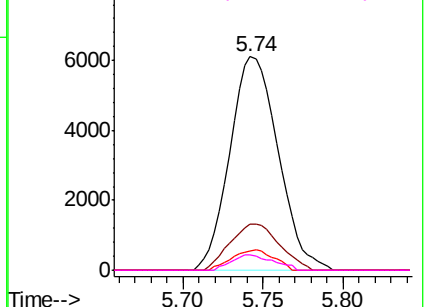
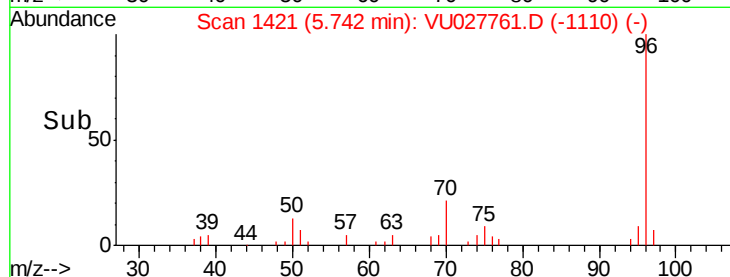


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 70.00 (69.70 to 70.70): VU0

Ion 95.00 (94.70 to 95.70): VU0

Ion 97.00 (96.70 to 97.70): VU0



#2

Dichlorodifluoromethane

Concen: 31.501 ug/l

RT: 1.21 min Scan# 10

Delta R.T. -0.00 min

Lab File: VU027761.D

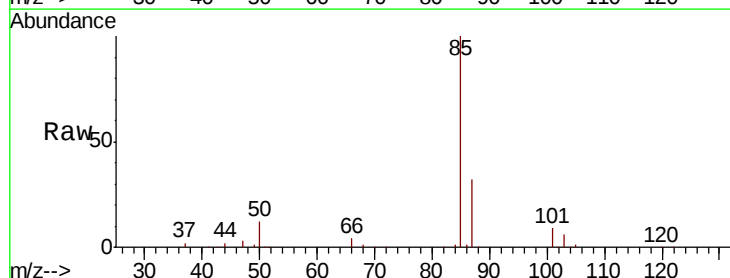
Acq: 23 Oct 2018 13:33

Tgt Ion: 85 Resp: 157917

Ion Ratio Lower Upper

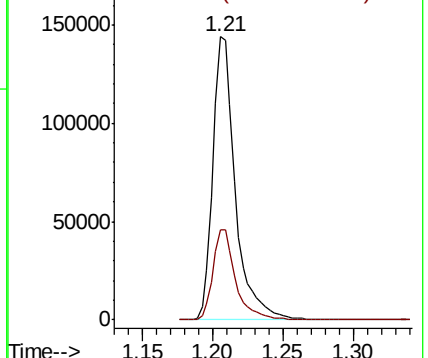
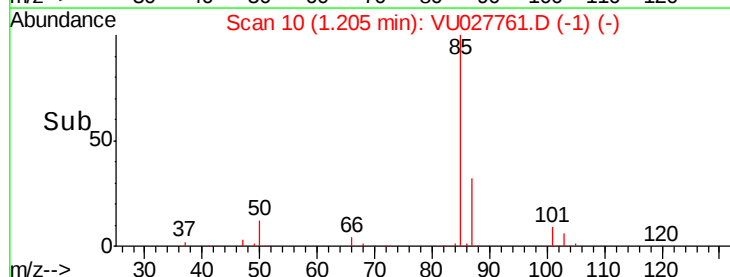
85 100

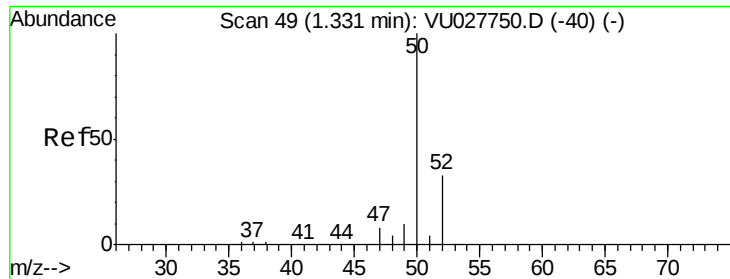
87 31.8 15.9 47.6



Abundance Ion 85.00 (84.70 to 85.70): VU0

Ion 87.00 (86.70 to 87.70): VU0





#3

Chloromethane

Concen: 0.158 ug/l

RT: 1.40 min Scan# 71

Delta R.T. 0.07 min

Lab File: VU027761.D

Acq: 23 Oct 2018 13:33

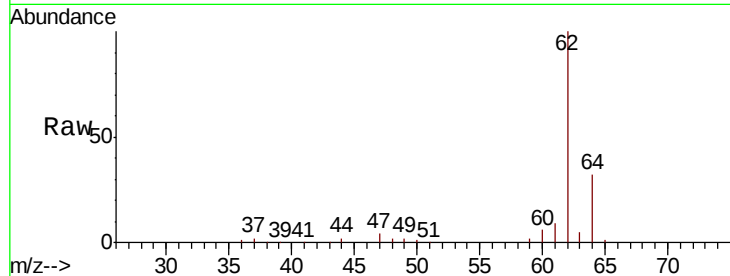
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 50 Resp: 849

Ion Ratio Lower Upper

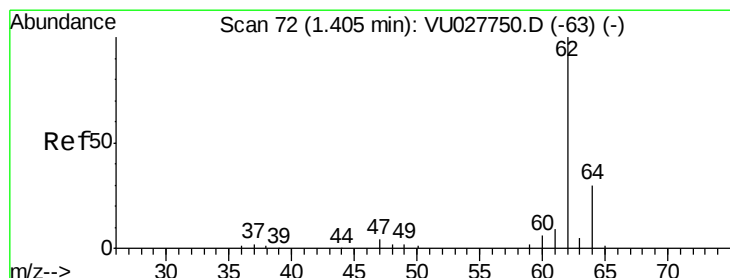
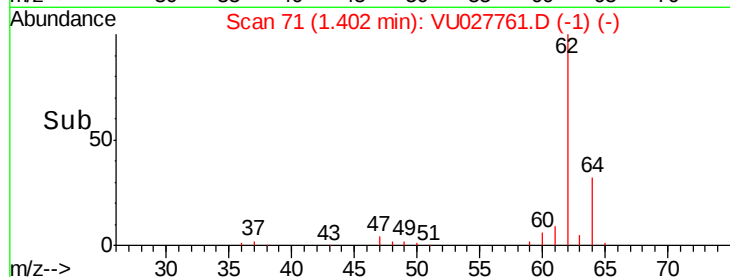
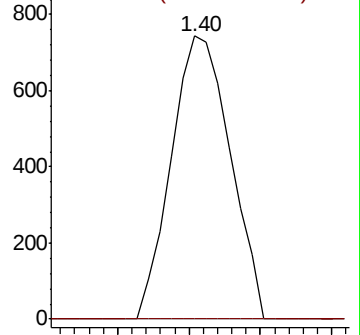
50 100

52 0.0 26.6 40.0#



Abundance Ion 50.00 (49.70 to 50.70): VU0

Ion 52.00 (51.70 to 52.70): VU0



#4

Vinyl Chloride

Concen: 27.237 ug/l

RT: 1.40 min Scan# 71

Delta R.T. -0.00 min

Lab File: VU027761.D

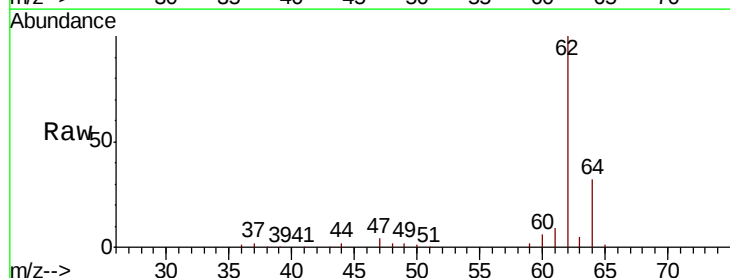
Acq: 23 Oct 2018 13:33

Tgt Ion: 62 Resp: 136284

Ion Ratio Lower Upper

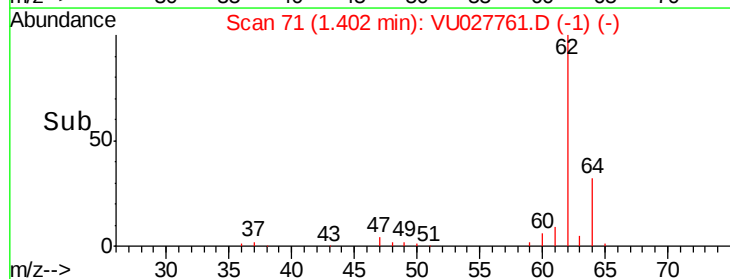
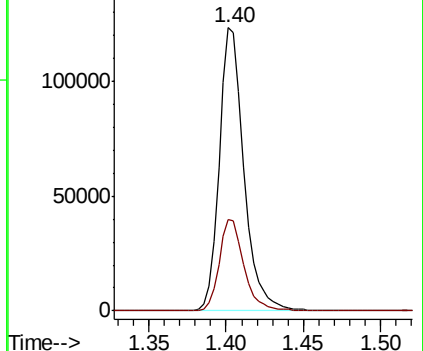
62 100

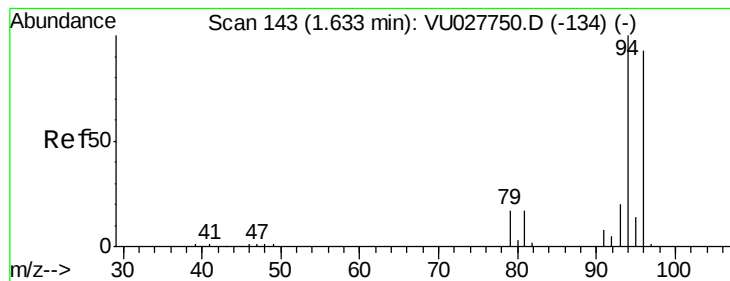
64 32.5 24.3 36.5



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.00 (63.70 to 64.70): VU0





#5

Bromomethane

Concen: 18.383 ug/l

RT: 1.63 min Scan# 143

Delta R.T. 0.00 min

Lab File: VU027761.D

Acq: 23 Oct 2018 13:33

Instrument :

MSVOA_U

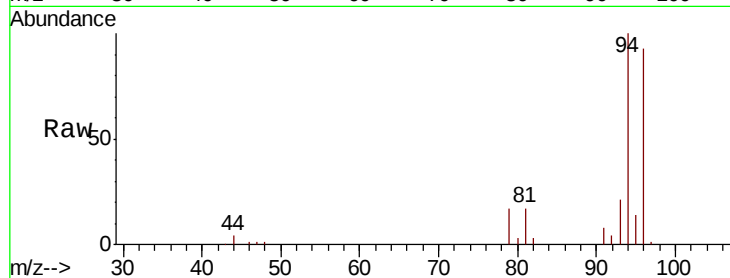
ClientSampleId :

Tot Ion: 94 Resp: 48386

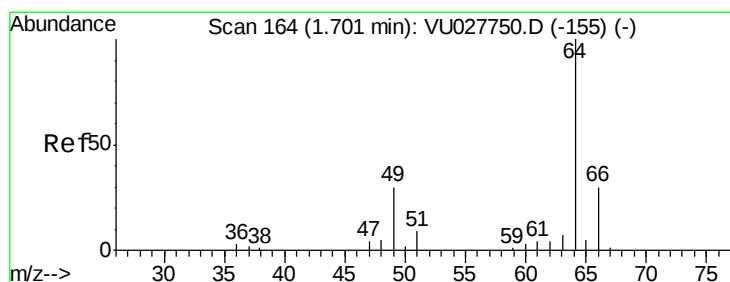
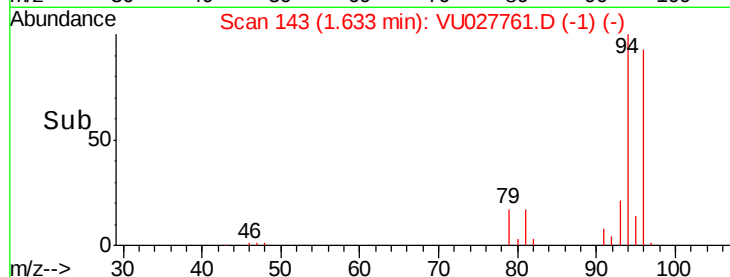
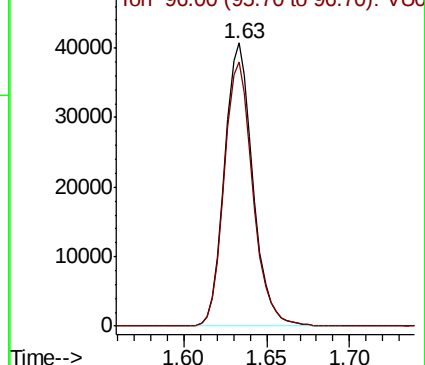
Ion Ratio Lower Upper

94 100

96 93.1 74.2 111.4



Abundance Ion 94.00 (93.70 to 94.70): VU027761.D (-1) (-)



#6

Chloroethane

Concen: 12.716 ug/l

RT: 1.70 min Scan# 164

Delta R.T. 0.00 min

Lab File: VU027761.D

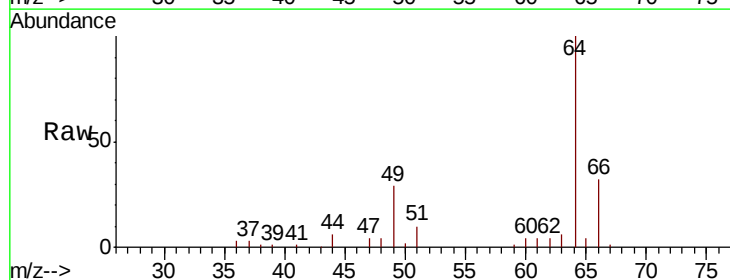
Acq: 23 Oct 2018 13:33

Tgt Ion: 64 Resp: 34499

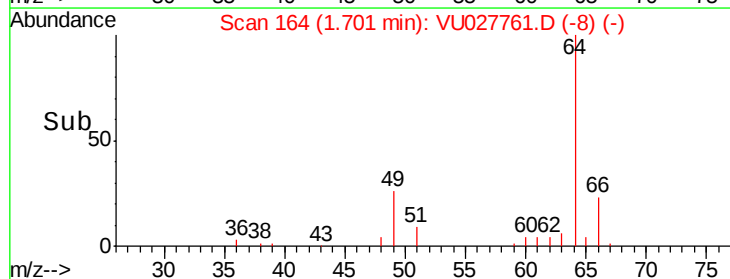
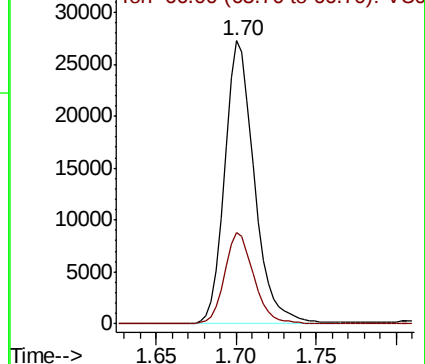
Ion Ratio Lower Upper

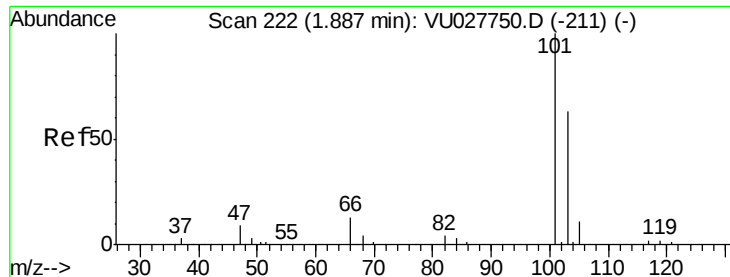
64 100

66 32.5 24.3 36.5



Abundance Ion 64.00 (63.70 to 64.70): VU027761.D (-8) (-)



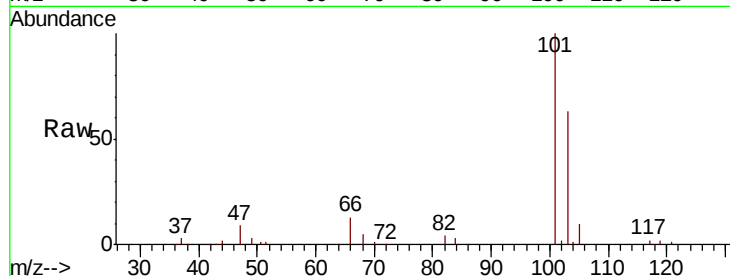


#7

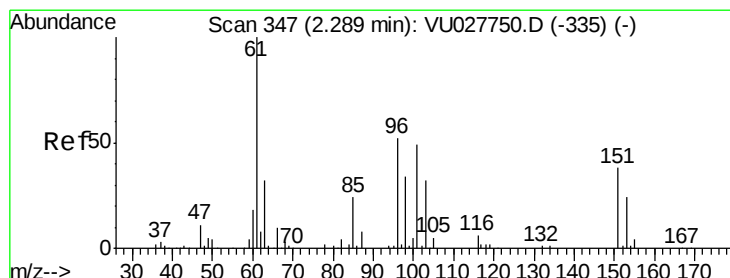
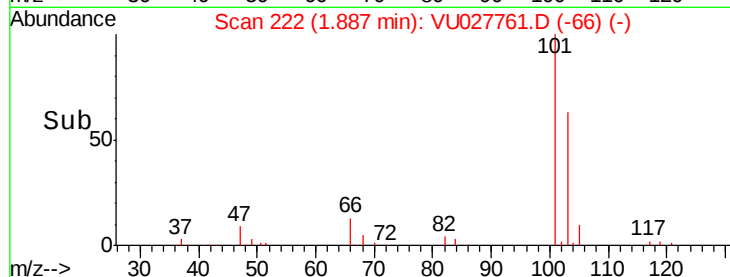
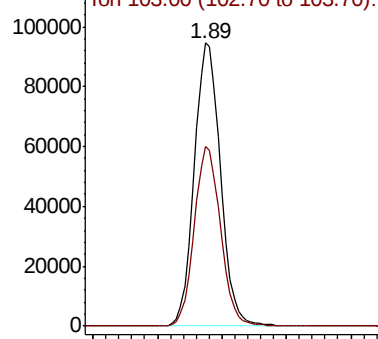
Trichlorofluoromethane
Concen: 21.882 ug/l
RT: 1.89 min Scan# 222
Delta R.T. 0.00 min
Lab File: VU027761.D
Acq: 23 Oct 2018 13:33

Instrument :
MSVOA_U
ClientSampled :

Tot Ion:101 Resp: 133433
Ion Ratio Lower Upper
101 100
103 63.5 50.2 75.2



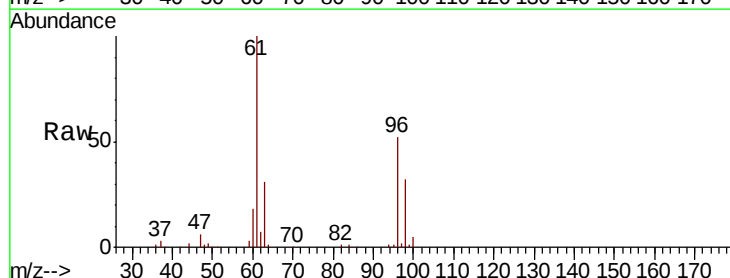
Abundance Ion 101.00 (100.70 to 101.70): V
Ion 103.00 (102.70 to 103.70): V



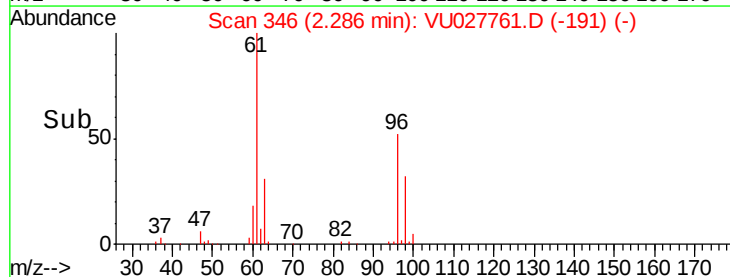
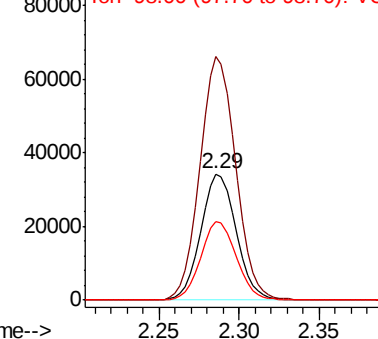
#9

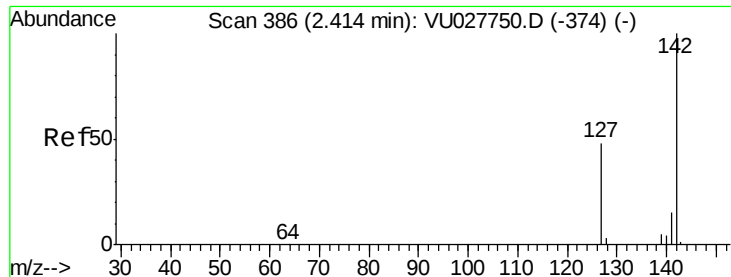
1,1-Dichloroethene
Concen: 18.274 ug/l
RT: 2.29 min Scan# 346
Delta R.T. -0.00 min
Lab File: VU027761.D
Acq: 23 Oct 2018 13:33

Tgt Ion: 96 Resp: 51456
Ion Ratio Lower Upper
96 100
61 193.2 0.0 581.4
98 62.1 0.0 131.2



Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.00 (60.70 to 61.70): VU0
Ion 98.00 (97.70 to 98.70): VU0





#10

Iodomethane

Concen: 0.032 ug/l

RT: 2.41 min Scan# 385

Delta R.T. -0.00 min

Lab File: VU027761.D

Acq: 23 Oct 2018 13:33

Instrument :

MSVOA_U

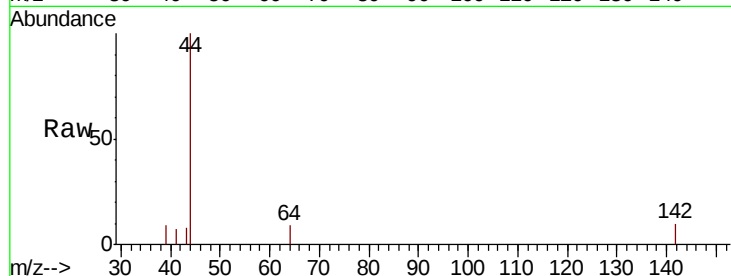
ClientSampleId :

Tot Ion:142 Resp: 121

Ion Ratio Lower Upper

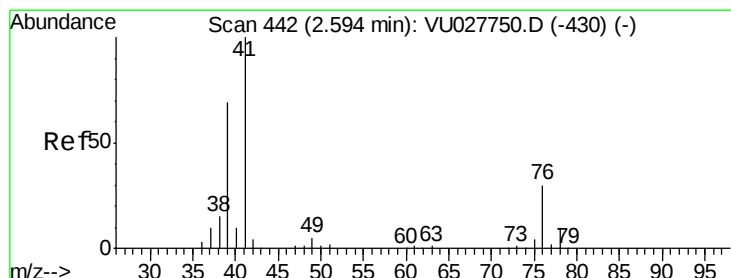
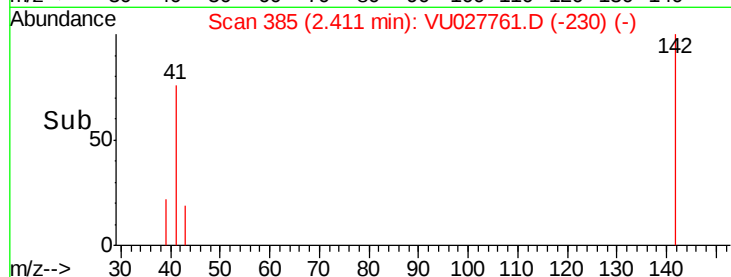
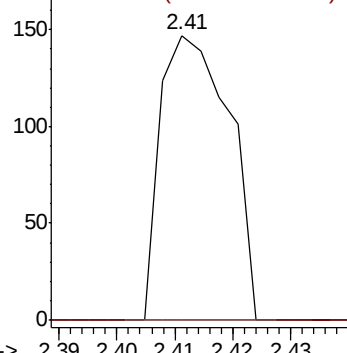
142 100

127 0.0 39.2 58.8#



Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V



#11

Allyl Chloride

Concen: 0.364 ug/l

RT: 2.70 min Scan# 474

Delta R.T. 0.10 min

Lab File: VU027761.D

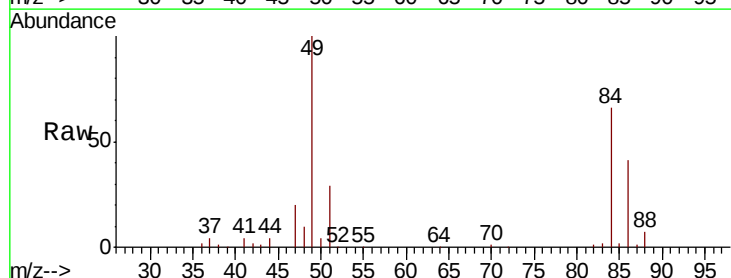
Acq: 23 Oct 2018 13:33

Tgt Ion: 41 Resp: 2428

Ion Ratio Lower Upper

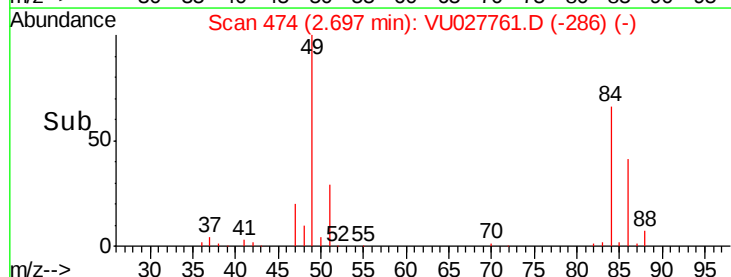
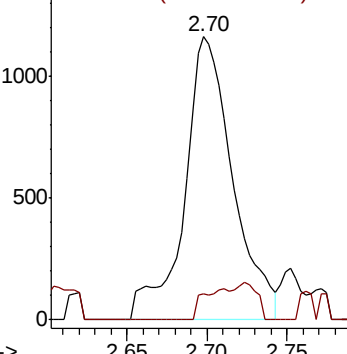
41 100

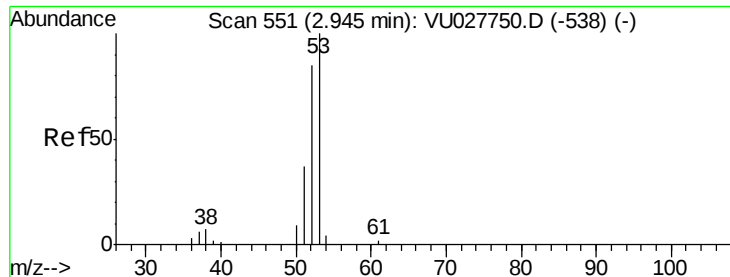
39 0.0 55.4 83.0#



Abundance Ion 41.00 (40.70 to 41.70): VU0

Ion 39.00 (38.70 to 39.70): VU0





#12

Acrylonitrile

Concen: 3.697 ug/l

RT: 3.01 min Scan# 571

Delta R.T. 0.06 min

Lab File: VU027761.D

Acq: 23 Oct 2018 13:33

Instrument :

MSVOA_U

ClientSampleId :

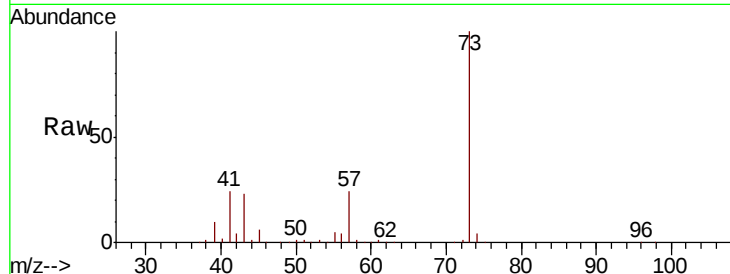
Tot Ion: 53 Resp: 3173

Ion Ratio Lower Upper

53 100

52 16.0 67.9 101.9#

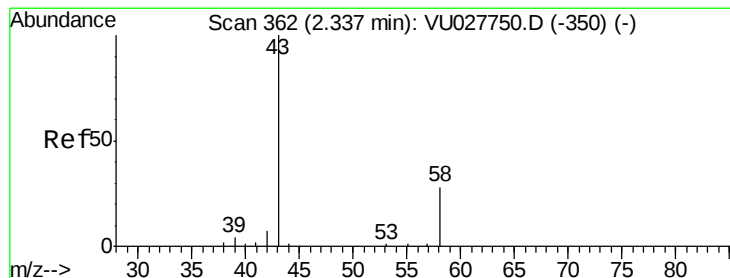
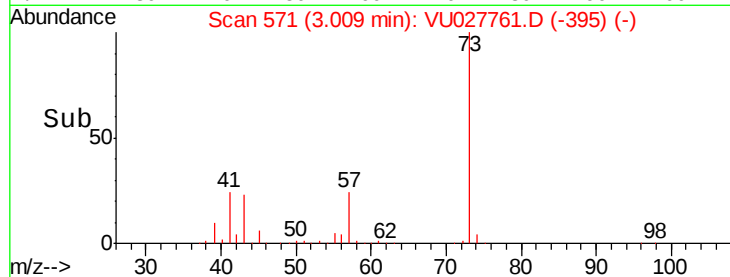
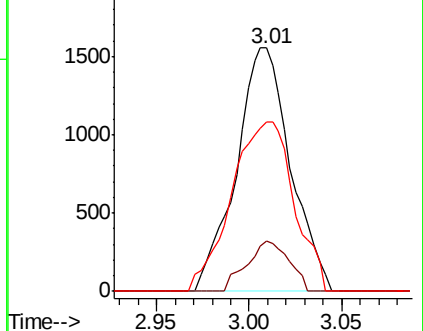
51 79.9 30.0 45.0#



Abundance Ion 53.00 (52.70 to 53.70): VU0

Ion 52.00 (51.70 to 52.70): VU0

Ion 51.00 (50.70 to 51.70): VU0



#13

Acetone

Concen: 1.126 ug/l

RT: 2.34 min Scan# 363

Delta R.T. 0.00 min

Lab File: VU027761.D

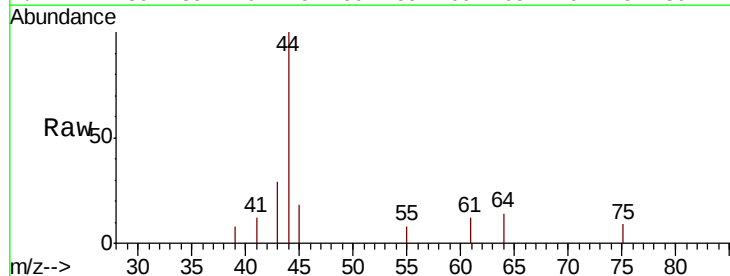
Acq: 23 Oct 2018 13:33

Tgt Ion: 43 Resp: 882

Ion Ratio Lower Upper

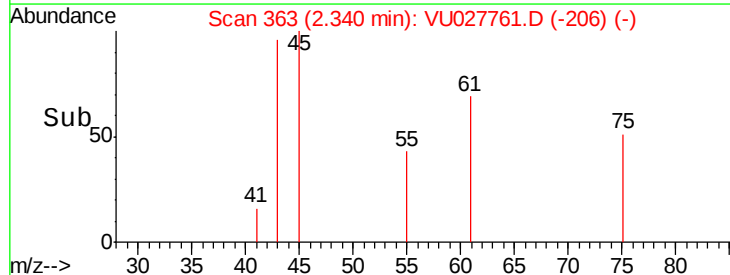
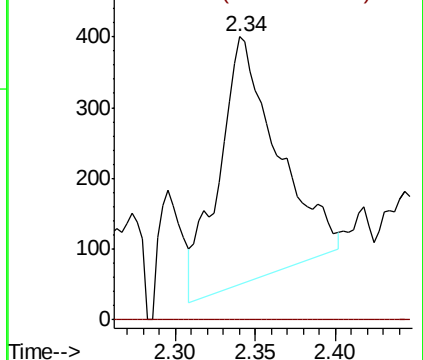
43 100

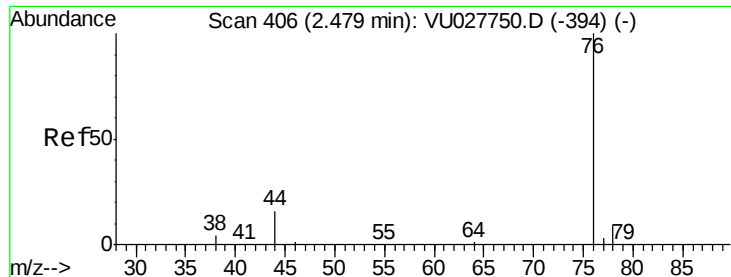
58 0.0 22.3 33.5#



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0





#14

Carbon Disulfide

Concen: 0.013 ug/l

RT: 2.48 min Scan# 406

Delta R.T. 0.00 min

Lab File: VU027761.D

Acq: 23 Oct 2018 13:33

Instrument :

MSVOA_U

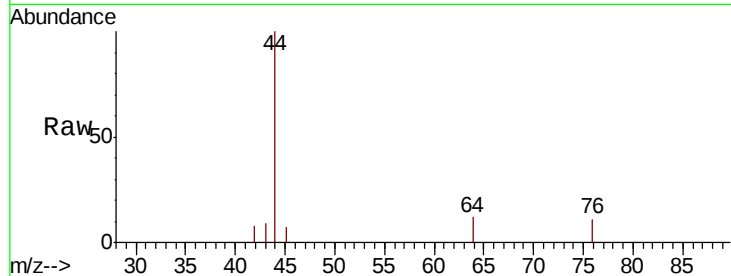
ClientSampleId :

Tot Ion: 76 Resp: 140

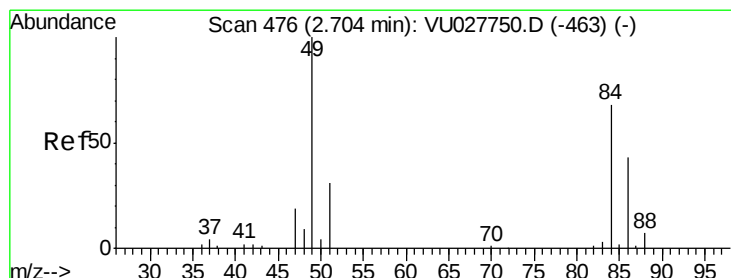
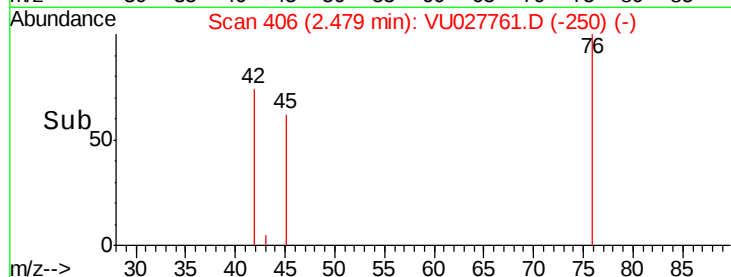
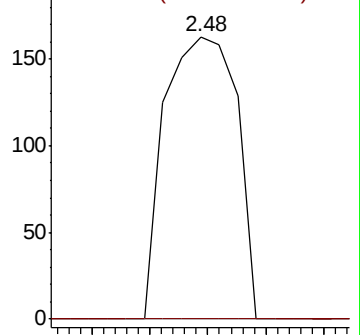
Ion Ratio Lower Upper

76 100

78 0.0 7.1 10.7#



Abundance Ion 76.00 (75.70 to 76.70): VU027761.D (-250) (-)



#15

Methylene Chloride

Concen: 11.455 ug/l

RT: 2.70 min Scan# 476

Delta R.T. 0.00 min

Lab File: VU027761.D

Acq: 23 Oct 2018 13:33

Tgt Ion: 84 Resp: 40648

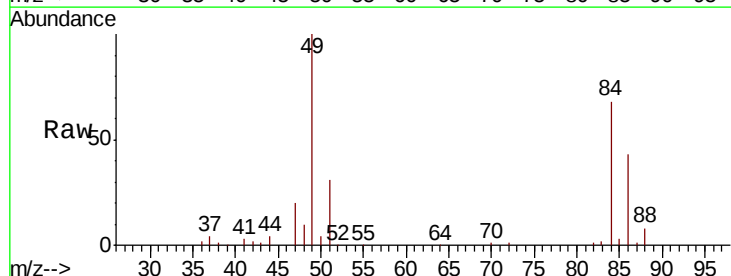
Ion Ratio Lower Upper

84 100

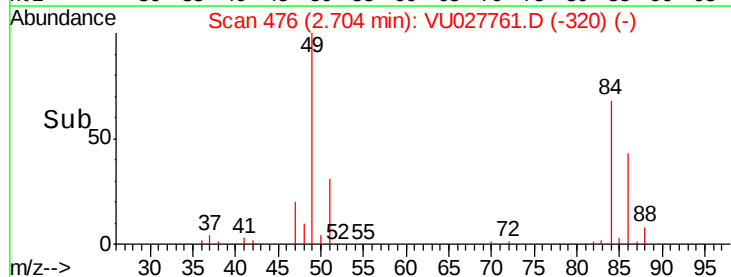
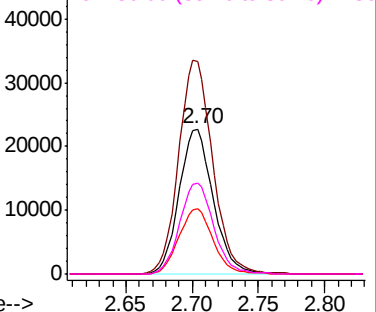
49 146.3 118.5 177.7

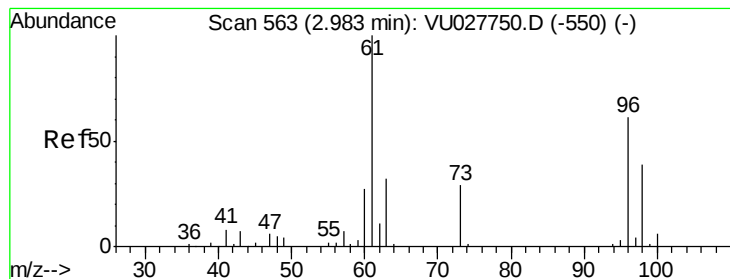
51 45.2 0.0 91.0

86 62.9 50.7 76.1



Abundance Ion 84.00 (83.70 to 84.70): VU027761.D (-320) (-)





#16

trans-1,2-Dichloroethene

Concen: 3.206 ug/l

RT: 2.98 min Scan# 563

Delta R.T. 0.00 min

Lab File: VU027761.D

Acq: 23 Oct 2018 13:33

Instrument :

MSVOA_U

ClientSampled :

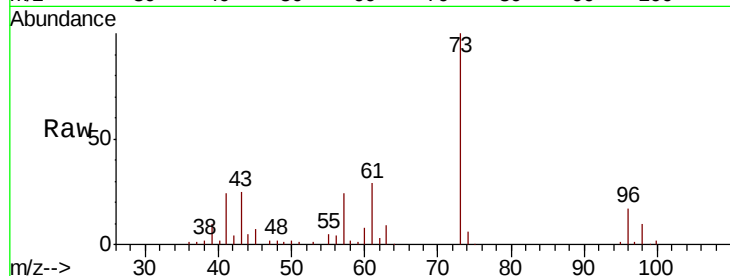
Tot Ion: 96 Resp: 10050

Ion Ratio Lower Upper

96 100

61 172.0 131.8 197.6

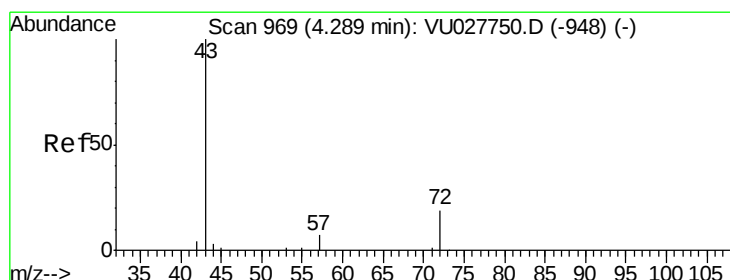
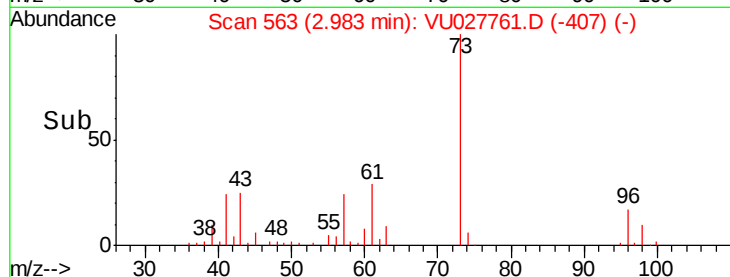
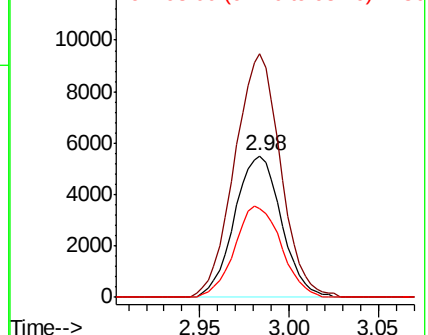
98 62.3 51.2 76.8



Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 98.00 (97.70 to 98.70): VU0



#18

2-Butanone

Concen: 0.128 ug/l

RT: 4.28 min Scan# 966

Delta R.T. -0.01 min

Lab File: VU027761.D

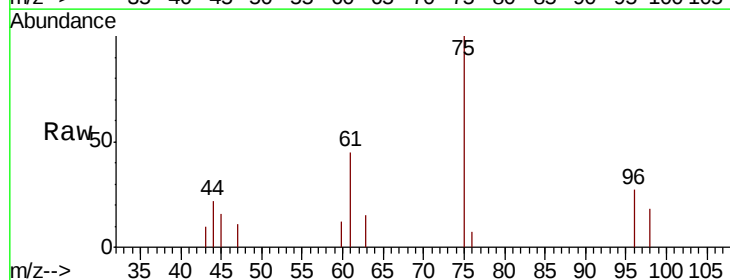
Acq: 23 Oct 2018 13:33

Tgt Ion: 43 Resp: 166

Ion Ratio Lower Upper

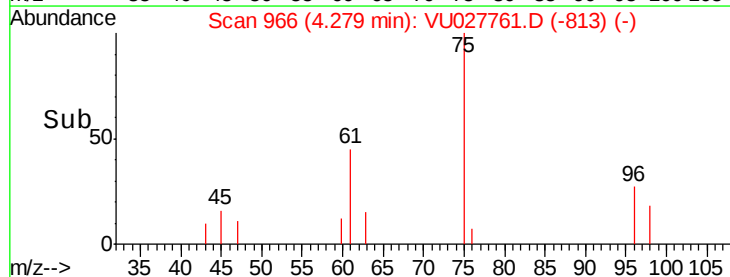
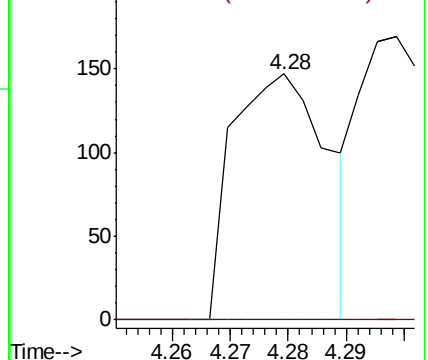
43 100

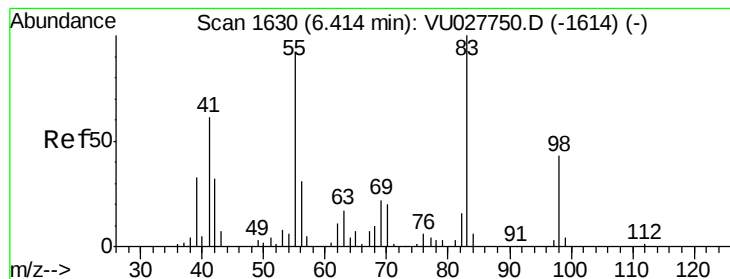
57 0.0 0.0 14.4



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 57.00 (56.70 to 57.70): VU0





#20

Methvlcvclohexane

Concen: 0.059 ug/l

RT: 6.43 min Scan# 1636

Delta R.T. 0.02 min

Lab File: VU027761.D

Acq: 23 Oct 2018 13:33

Instrument :

MSVOA_U

ClientSampleId :

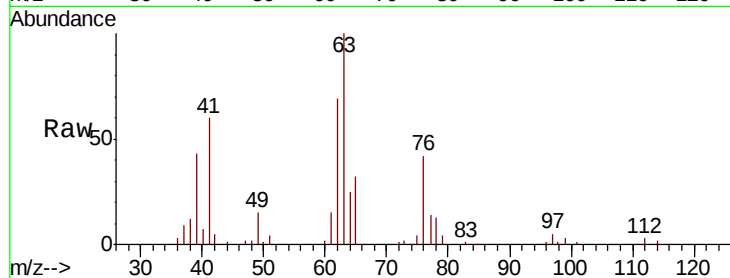
Tot Ion: 83 Resp: 369

Ion Ratio Lower Upper

83 100

55 0.0 72.6 108.8#

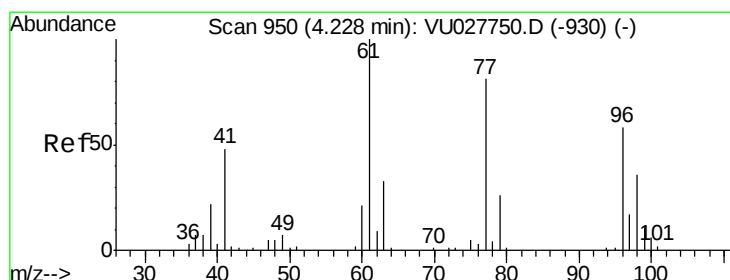
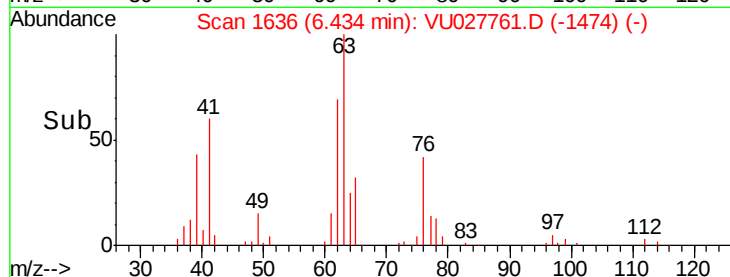
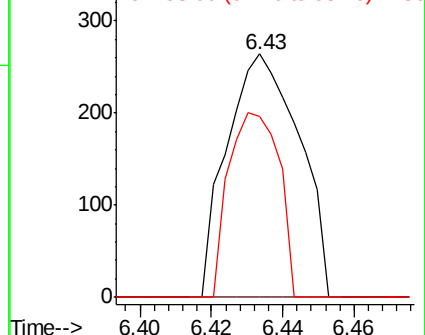
98 53.1 35.0 52.4#



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



#21

2,2-Dichloropropane

Concen: 0.022 ug/l

RT: 4.25 min Scan# 957

Delta R.T. 0.02 min

Lab File: VU027761.D

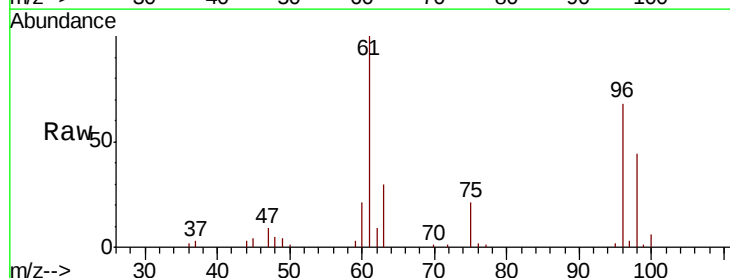
Acq: 23 Oct 2018 13:33

Tgt Ion: 77 Resp: 134

Ion Ratio Lower Upper

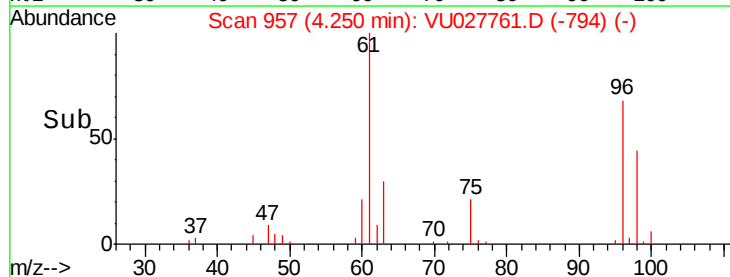
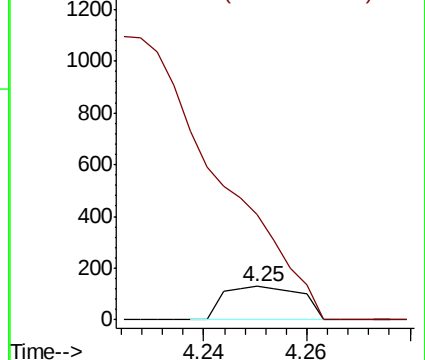
77 100

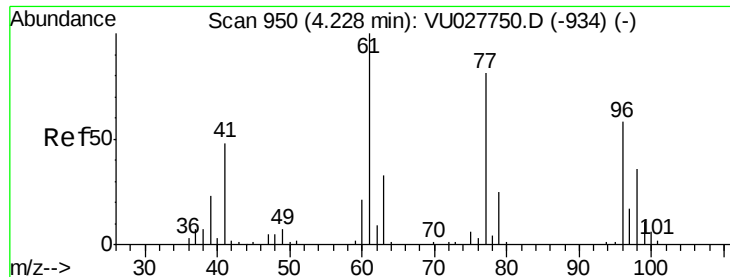
97 1822.4 16.9 25.3#



Abundance Ion 77.00 (76.70 to 77.70): VU0

Ion 97.00 (96.70 to 97.70): VU0



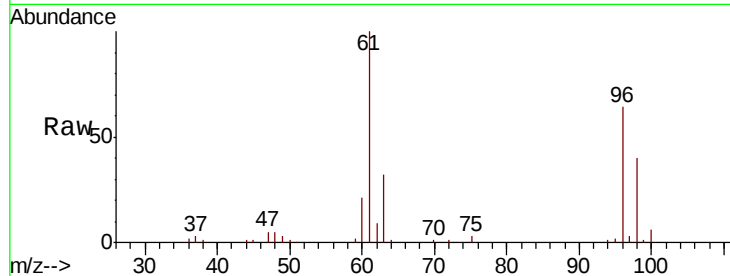


#22

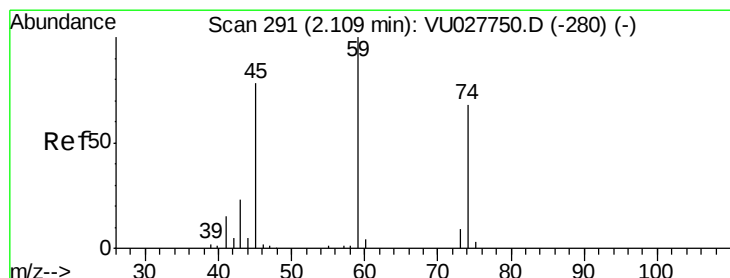
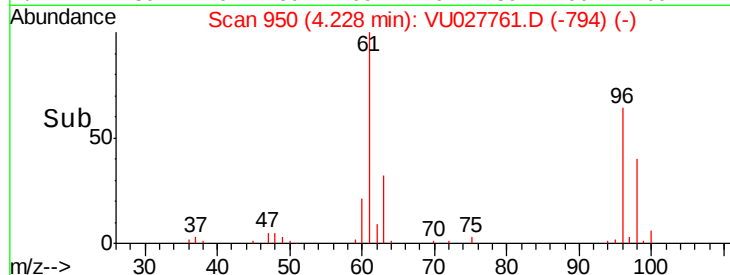
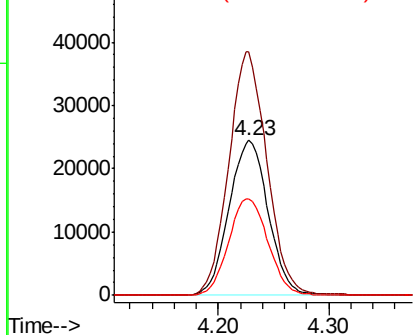
cis-1,2-Dichloroethene
 Concen: 16.052 ug/l
 RT: 4.23 min Scan# 950
 Delta R.T. 0.00 min
 Lab File: VU027761.D
 Acq: 23 Oct 2018 13:33

Instrument :
 MSVOA_U
 ClientSampled :

Tot Ion: 96 Resp: 60238
 Ion Ratio Lower Upper
 96 100
 61 153.0 0.0 444.0
 98 62.9 31.9 95.5



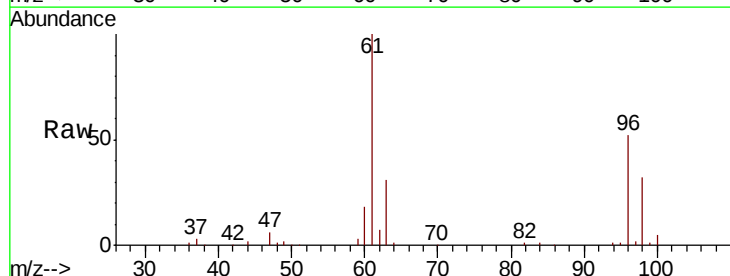
Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.00 (60.70 to 61.70): VU0
 Ion 98.00 (97.70 to 98.70): VU0



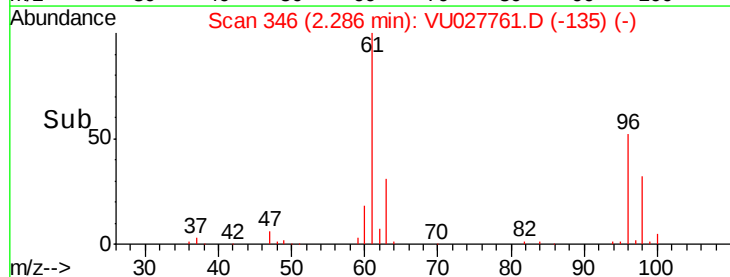
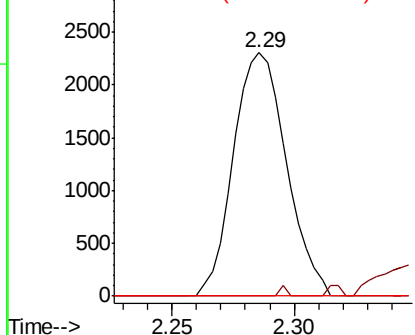
#23

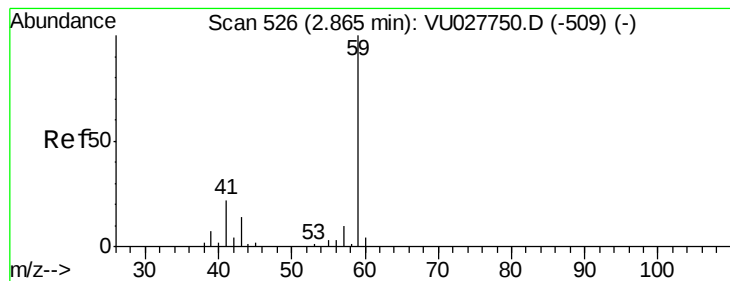
Diethyl Ether
 Concen: 1.296 ug/l
 RT: 2.29 min Scan# 346
 Delta R.T. 0.18 min
 Lab File: VU027761.D
 Acq: 23 Oct 2018 13:33

Tgt Ion: 59 Resp: 3471
 Ion Ratio Lower Upper
 59 100
 45 0.5 64.6 96.8#
 74 0.0 54.8 82.2#



Abundance Ion 59.00 (58.70 to 59.70): VU0
 Ion 45.00 (44.70 to 45.70): VU0
 Ion 74.00 (73.70 to 74.70): VU0



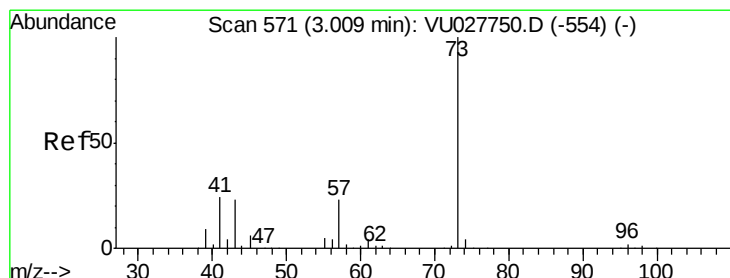
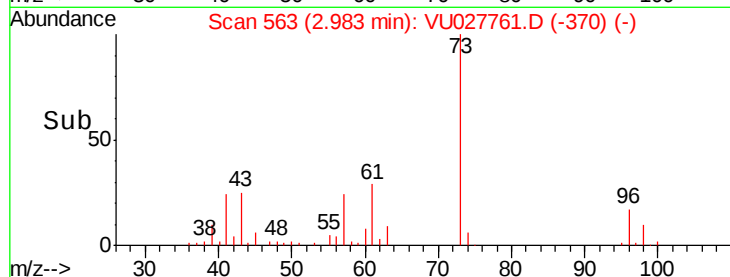
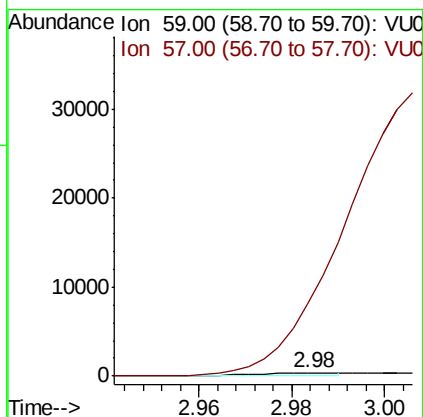
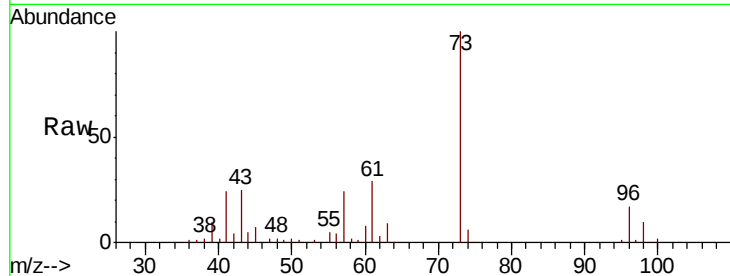


#24

tert-Butyl Alcohol
 Concen: 1.698 ug/l
 RT: 2.98 min Scan# 563
 Delta R.T. 0.12 min
 Lab File: VU027761.D
 Acq: 23 Oct 2018 13:33

Instrument :
 MSVOA_U
 ClientSampled :

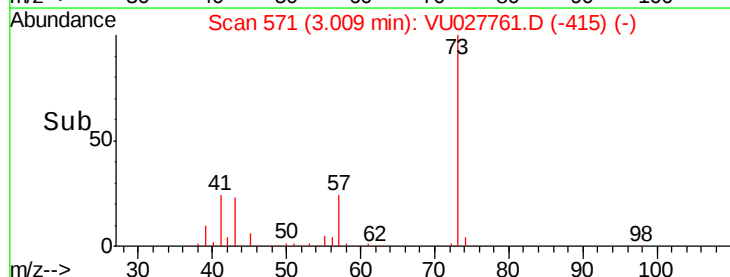
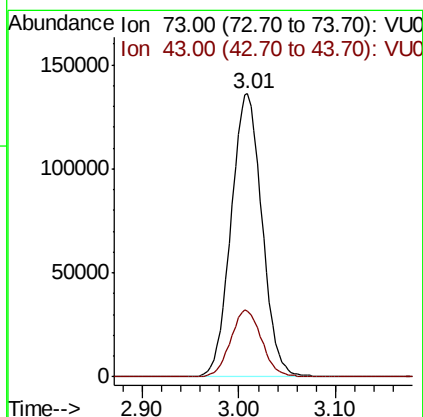
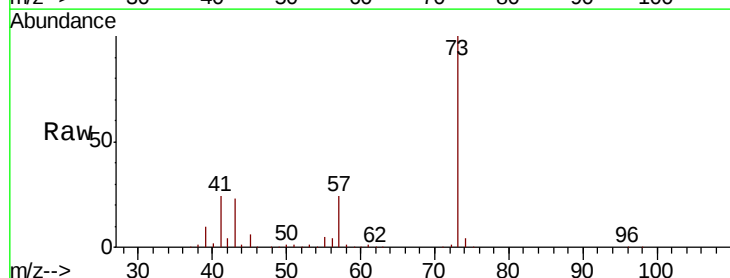
Tot Ion: 59 Resp: 485
 Ion Ratio Lower Upper
 59 100
 57 14615.3 4.4 6.6#

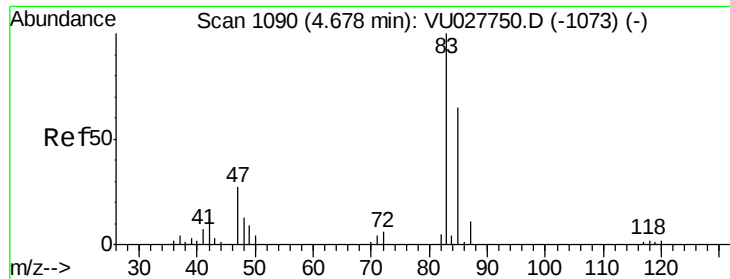


#25

Methyl tert-Butyl Ether
 Concen: 33.745 ug/l
 RT: 3.01 min Scan# 571
 Delta R.T. 0.00 min
 Lab File: VU027761.D
 Acq: 23 Oct 2018 13:33

Tgt Ion: 73 Resp: 302561
 Ion Ratio Lower Upper
 73 100
 43 23.3 18.6 27.8

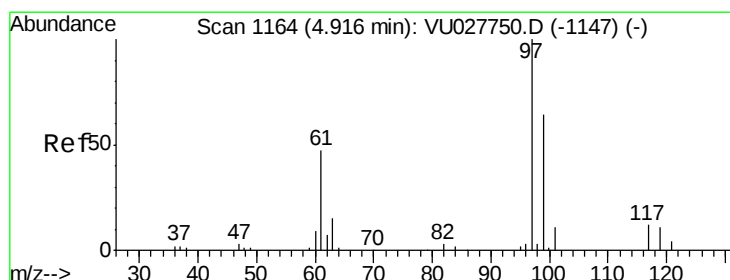
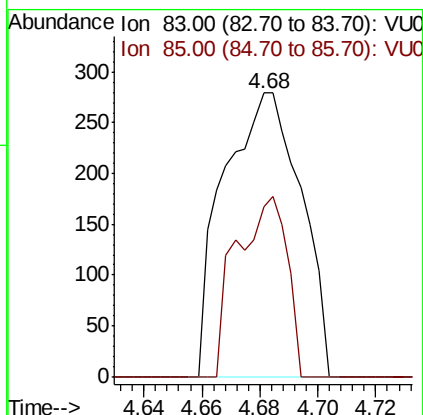
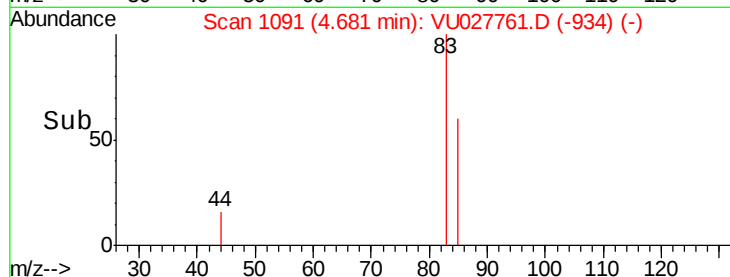
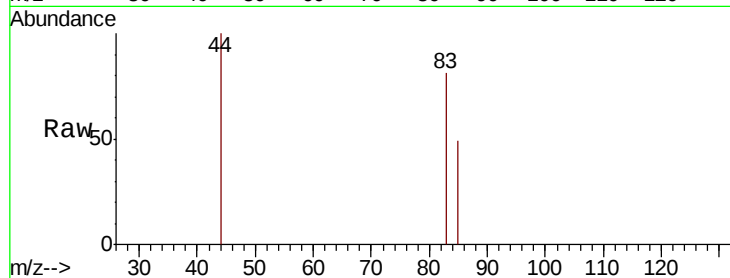




#27
Chloroform
Concen: 0.077 ug/l
RT: 4.68 min Scan# 1091
Delta R.T. 0.00 min
Lab File: VU027761.D
Acq: 23 Oct 2018 13:33

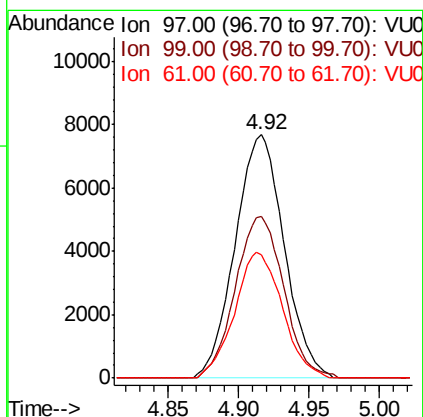
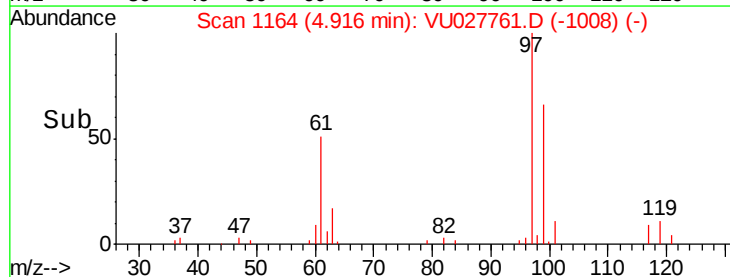
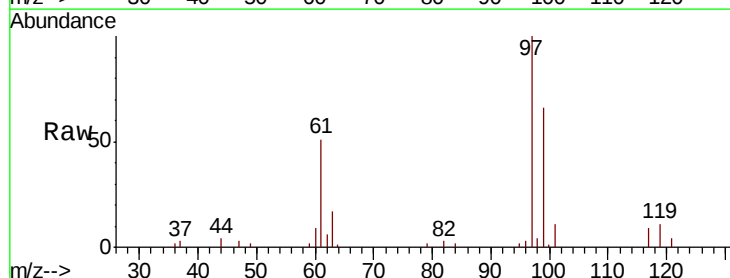
Instrument :
MSVOA_U
ClientSampled :

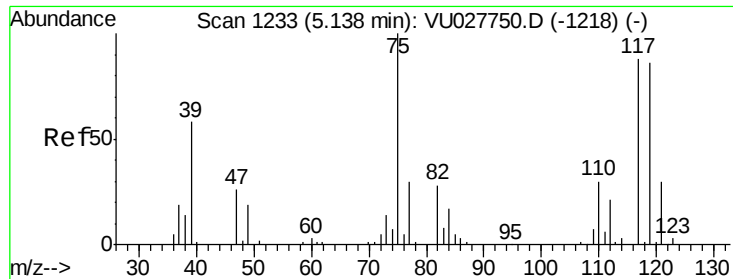
Tot Ion: 83 Resp: 517
Ion Ratio Lower Upper
83 100
85 59.9 0.0 130.2



#28
1,1,1-Trichloroethane
Concen: 3.114 ug/l
RT: 4.92 min Scan# 1164
Delta R.T. 0.00 min
Lab File: VU027761.D
Acq: 23 Oct 2018 13:33

Tgt Ion: 97 Resp: 18672
Ion Ratio Lower Upper
97 100
99 65.5 31.8 95.4
61 50.4 23.6 70.8

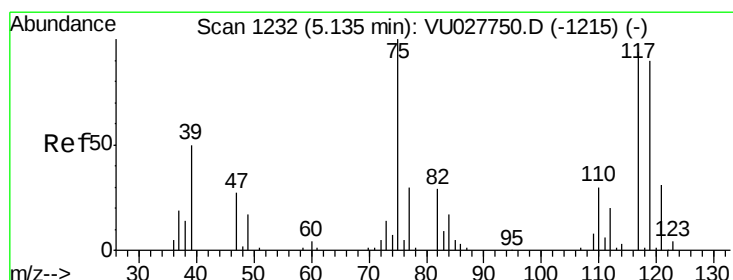
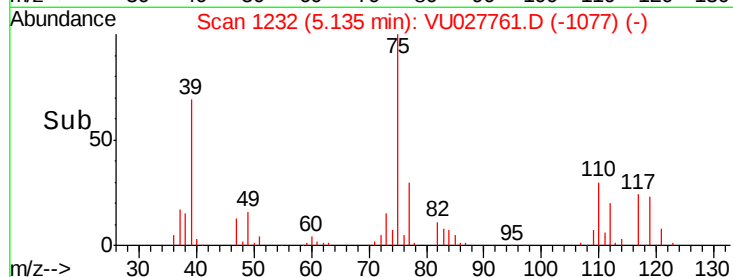
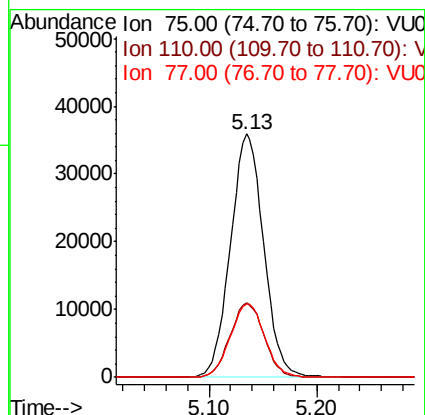
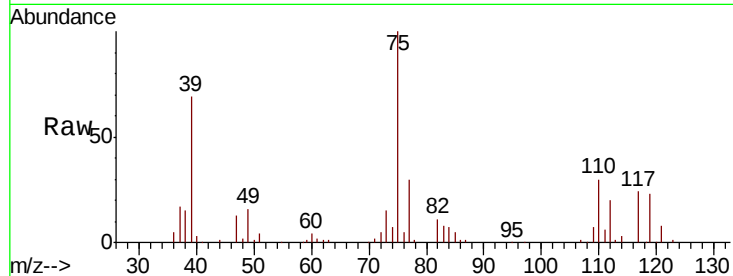




#29
 1,1-Dichloropropene
 Concen: 14.722 ug/l
 RT: 5.13 min Scan# 1232
 Delta R.T. -0.00 min
 Lab File: VU027761.D
 Acq: 23 Oct 2018 13:33

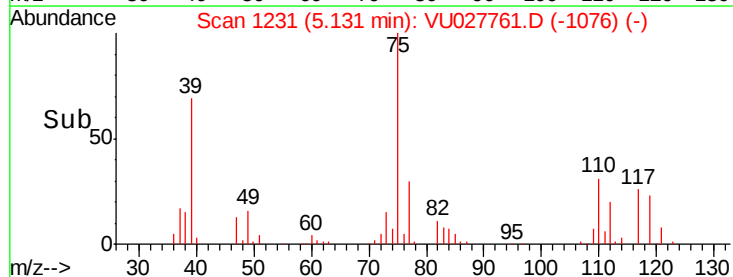
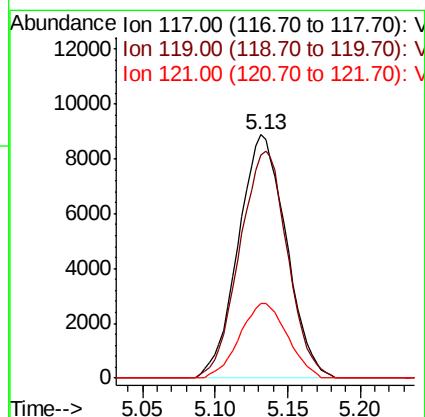
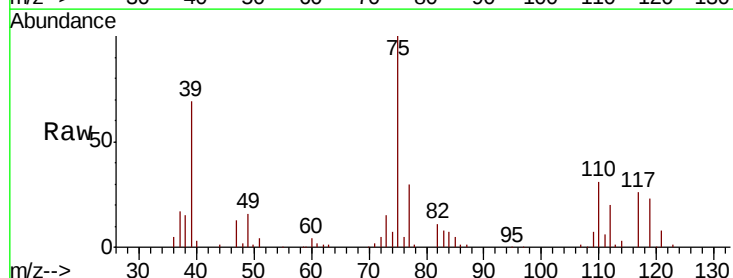
Instrument :
 MSVOA_U
 ClientSampled :

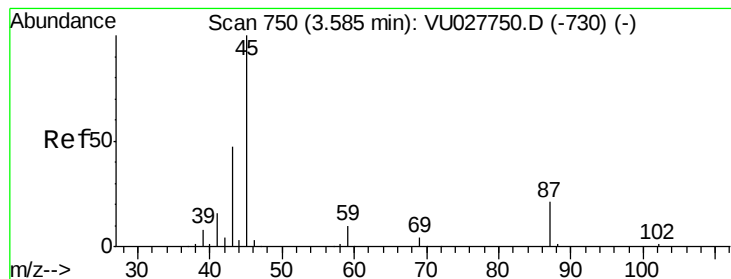
Tot Ion	75	Resp	77083
Ion Ratio	Lower	Upper	
75	100		
110	31.3	15.6	46.8
77	31.3	24.5	36.7



#30
 Carbon Tetrachloride
 Concen: 3.811 ug/l
 RT: 5.13 min Scan# 1231
 Delta R.T. -0.00 min
 Lab File: VU027761.D
 Acq: 23 Oct 2018 13:33

Tgt Ion	117	Resp	20416
Ion Ratio	Lower	Upper	
117	100		
119	91.4	76.2	114.4
121	30.5	26.4	39.6





#31

Isopropyl Ether

Concen: 0.003 ug/l

RT: 3.39 min Scan# 690

Delta R.T. -0.19 min

Lab File: VU027761.D

Acq: 23 Oct 2018 13:33

Instrument :

MSVOA_U

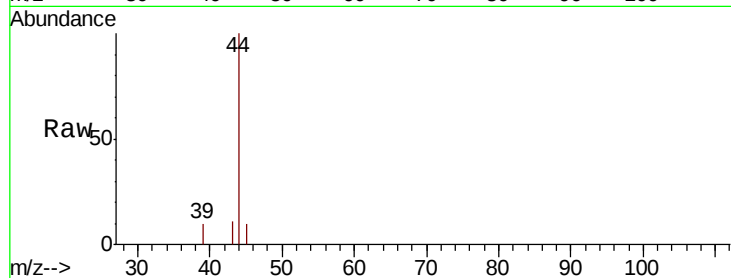
ClientSampleId :

Tot Ion: 45 Resp: 43

Ion Ratio Lower Upper

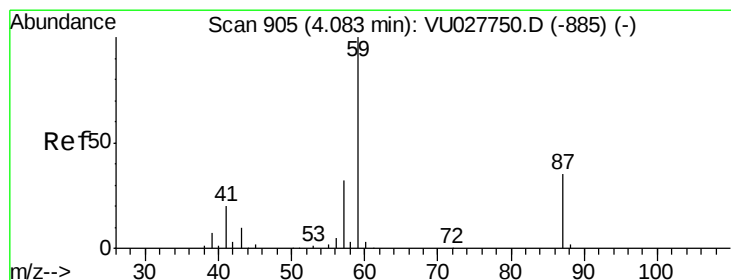
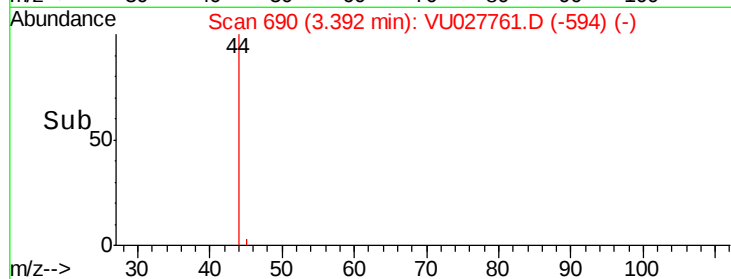
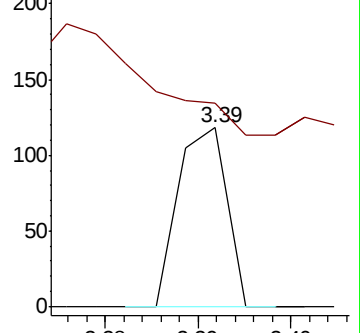
45 100

43 314.0 24.5 73.5#



Abundance Ion 45.00 (44.70 to 45.70): VU0

Ion 43.00 (42.70 to 43.70): VU0



#32

Ethyl-t-butyl ether

Concen: 0.197 ug/l

RT: 4.22 min Scan# 948

Delta R.T. 0.14 min

Lab File: VU027761.D

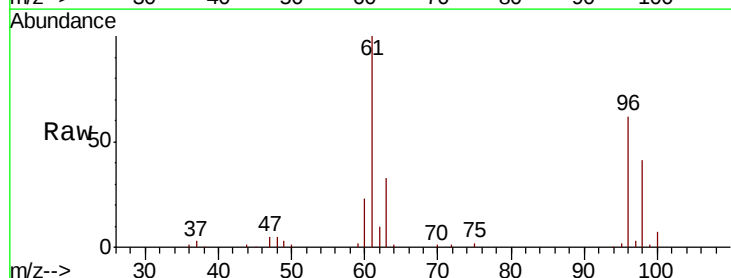
Acq: 23 Oct 2018 13:33

Tgt Ion: 59 Resp: 2179

Ion Ratio Lower Upper

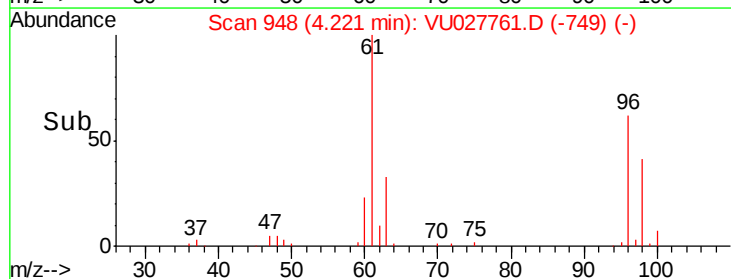
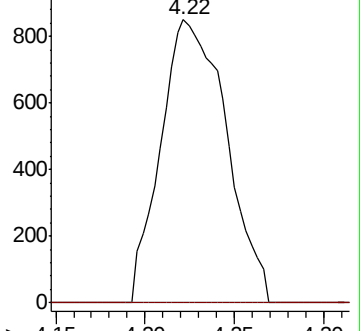
59 100

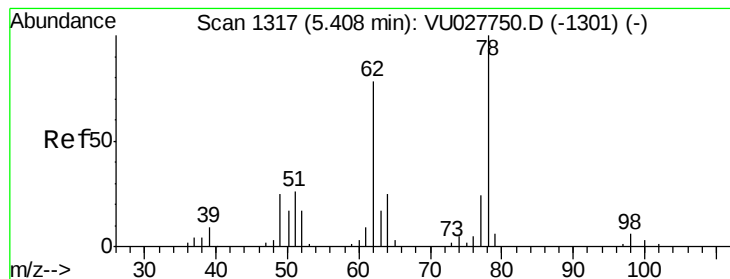
87 0.0 29.4 44.0#



Abundance Ion 59.00 (58.70 to 59.70): VU0

Ion 87.00 (86.70 to 87.70): VU0





#36

1,2-Dichloroethane

Concen: 16.132 ug/l

RT: 5.41 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VU027761.D

Acq: 23 Oct 2018 13:33

Instrument :

MSVOA_U

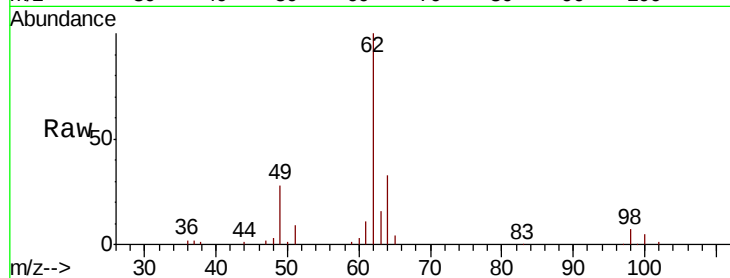
ClientSampleId :

Tot Ion: 62 Resp: 78556

Ion Ratio Lower Upper

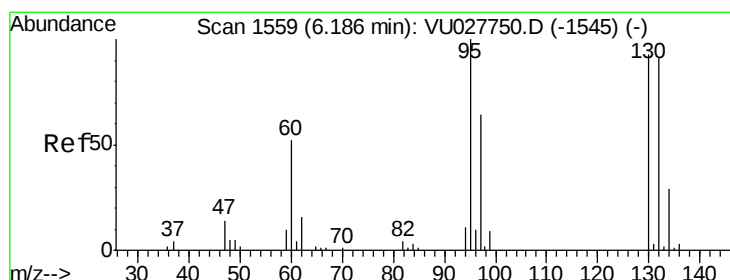
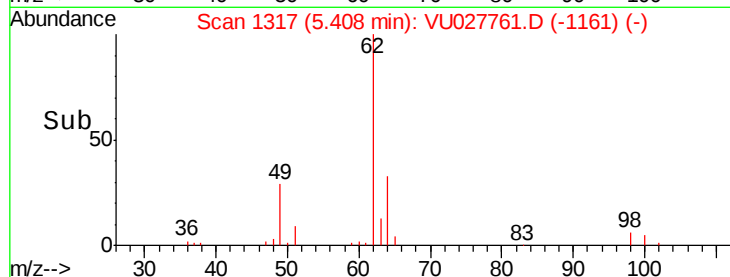
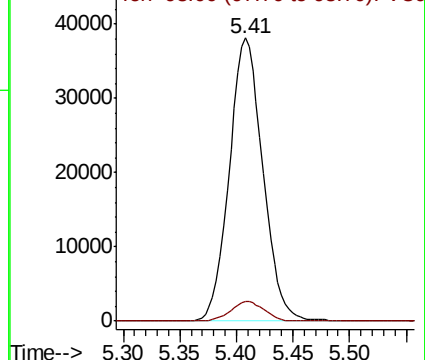
62 100

98 6.9 5.8 8.6



Abundance Ion 62.00 (61.70 to 62.70): VU027750.D (-1301) (-)

Ion 98.00 (97.70 to 98.70): VU027750.D (-1301) (-)



#37

Trichloroethene

Concen: 10.613 ug/l

RT: 6.19 min Scan# 1559

Delta R.T. 0.00 min

Lab File: VU027761.D

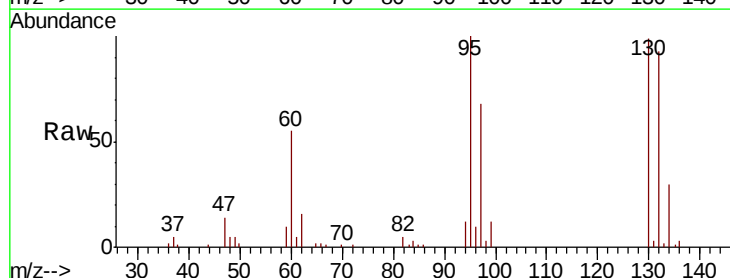
Acq: 23 Oct 2018 13:33

Tgt Ion:130 Resp: 38309

Ion Ratio Lower Upper

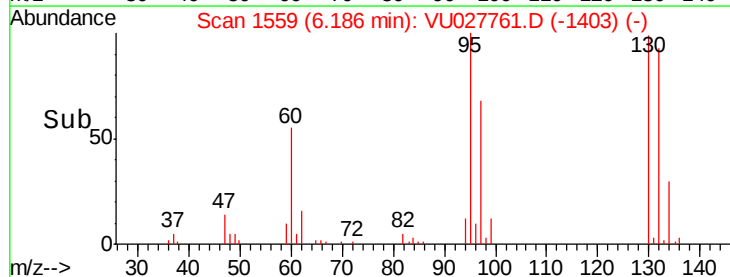
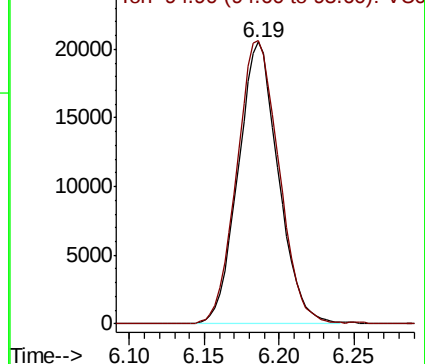
130 100

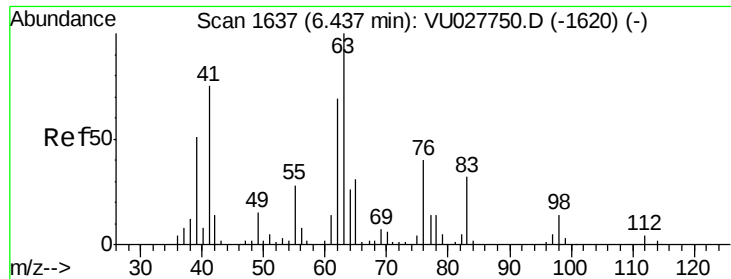
95 100.5 86.4 129.6



Abundance Ion 129.90 (129.60 to 130.60): VU027750.D (-1545) (-)

Ion 94.90 (94.60 to 95.60): VU027750.D (-1545) (-)

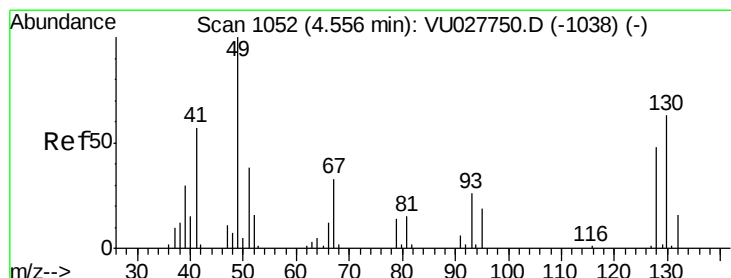
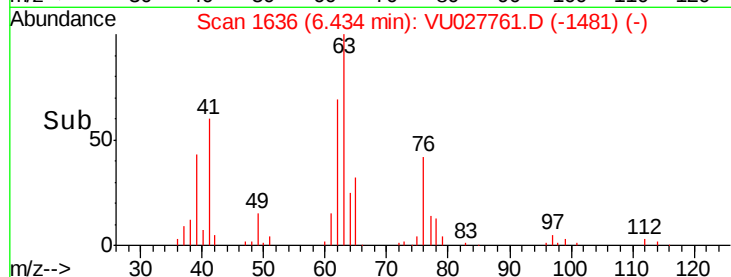
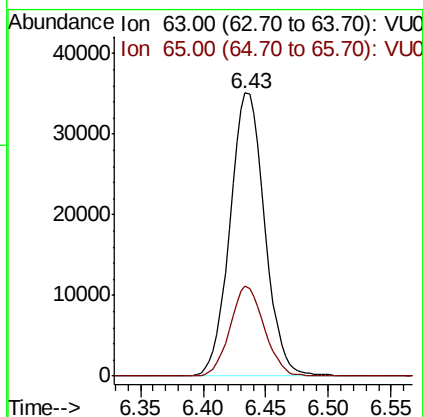
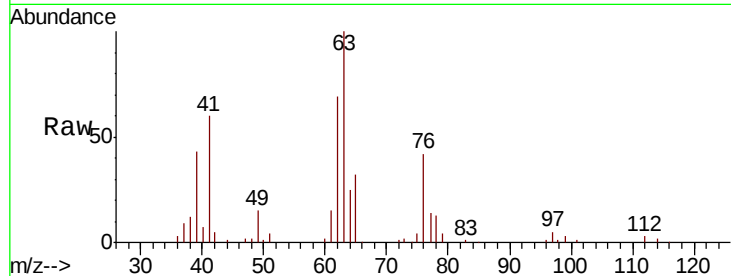




#38
 1,2-Dichloropropane
 Concen: 16.427 ug/l
 RT: 6.43 min Scan# 1636
 Delta R.T. -0.00 min
 Lab File: VU027761.D
 Acq: 23 Oct 2018 13:33

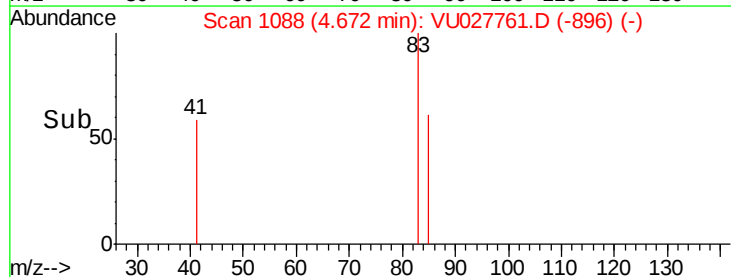
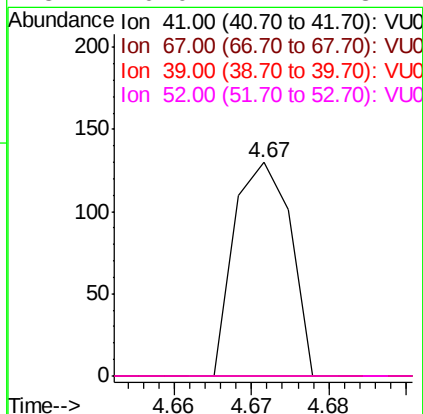
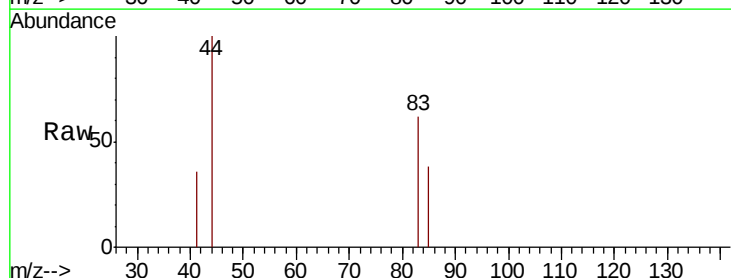
Instrument :
 MSVOA_U
 ClientSampleId :

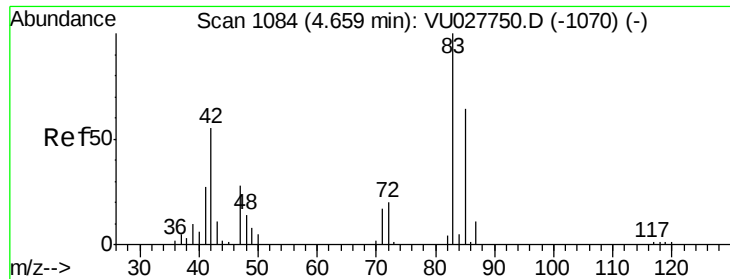
Tot Ion: 63 Resp: 67497
 Ion Ratio Lower Upper
 63 100
 65 31.9 24.9 37.3



#39
 Methacrylonitrile
 Concen: 0.039 ug/l
 RT: 4.67 min Scan# 1088
 Delta R.T. 0.12 min
 Lab File: VU027761.D
 Acq: 23 Oct 2018 13:33

Tgt Ion: 41 Resp: 66
 Ion Ratio Lower Upper
 41 100
 67 0.0 46.1 69.1#
 39 0.0 43.6 65.4#
 52 0.0 21.4 32.2#





#41

Tetrahydrofuran

Concen: 0.044 ug/l

RT: 4.67 min Scan# 1087

Delta R.T. 0.01 min

Lab File: VU027761.D

Acq: 23 Oct 2018 13:33

Instrument :

MSVOA_U

ClientSampled :

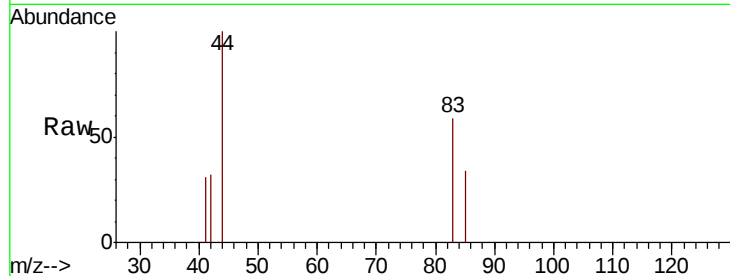
Tot Ion: 42 Resp: 42

Ion Ratio Lower Upper

42 100

72 0.0 30.6 45.8#

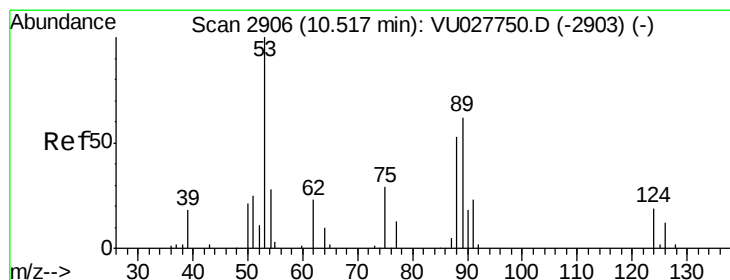
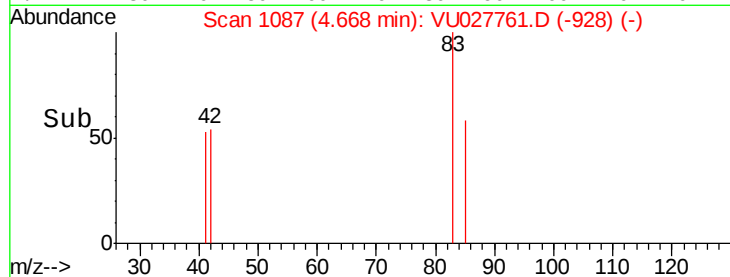
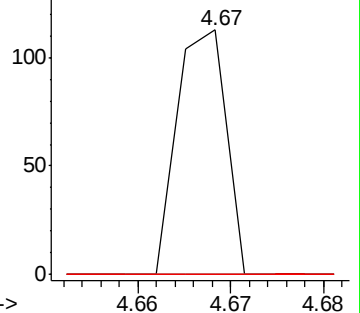
71 0.0 25.2 37.8#



Abundance Ion 42.00 (41.70 to 42.70): VU0

Ion 72.00 (71.70 to 72.70): VU0

Ion 71.00 (70.70 to 71.70): VU0



#46

t-1,4-Dichloro-2-butene

Concen: 44.618 ug/l

RT: 10.49 min Scan# 2899

Delta R.T. -0.02 min

Lab File: VU027761.D

Acq: 23 Oct 2018 13:33

Tgt Ion: 75 Resp: 48777

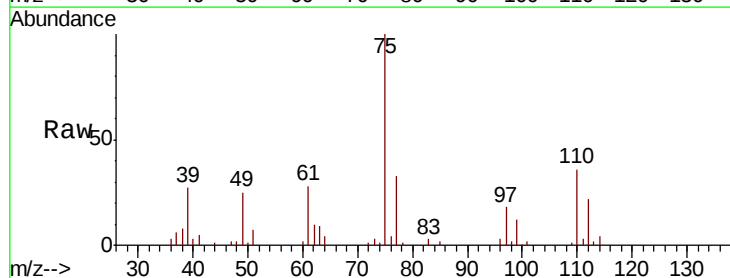
Ion Ratio Lower Upper

75 100

53 0.0 68.2 102.4#

89 0.0 41.8 62.6#

88 0.0 33.8 50.8#

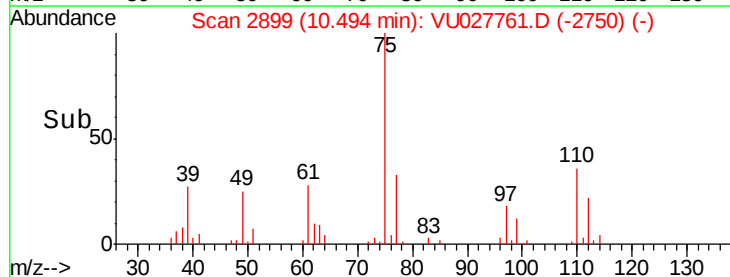
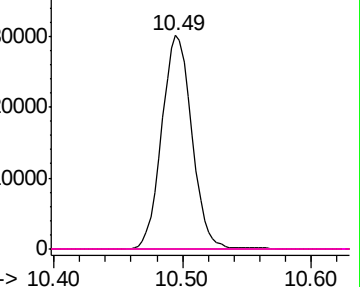


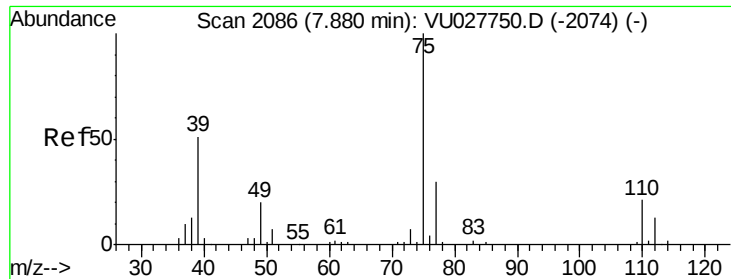
Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 53.00 (52.70 to 53.70): VU0

Ion 88.80 (88.50 to 89.50): VU0

Ion 87.80 (87.50 to 88.50): VU0

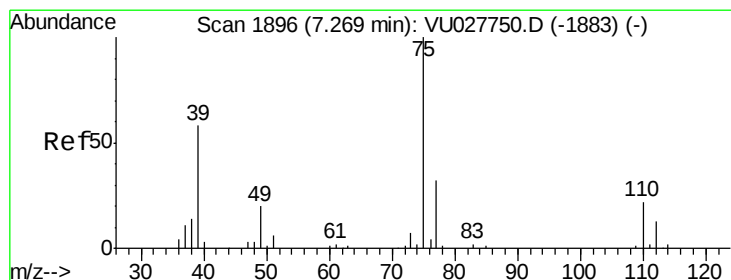
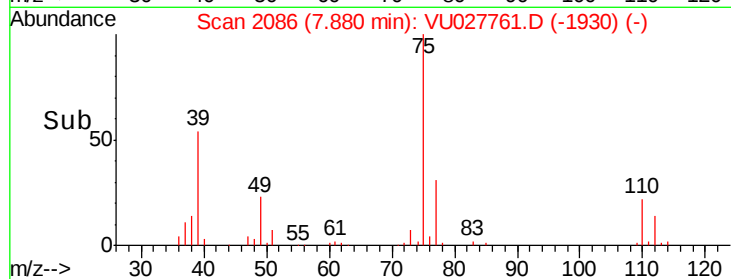
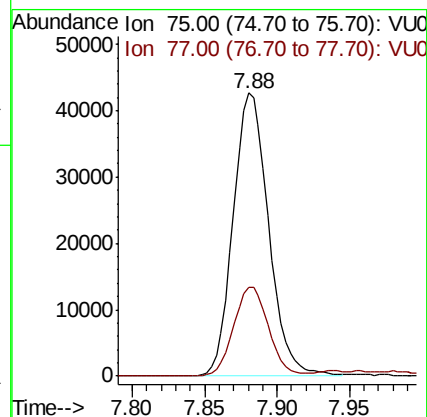
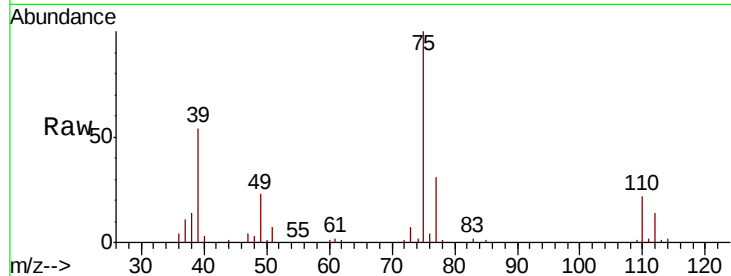




#50
t-1,3-Dichloropropene
Concen: 14.371 ug/l
RT: 7.88 min Scan# 2086
Delta R.T. 0.00 min
Lab File: VU027761.D
Acq: 23 Oct 2018 13:33

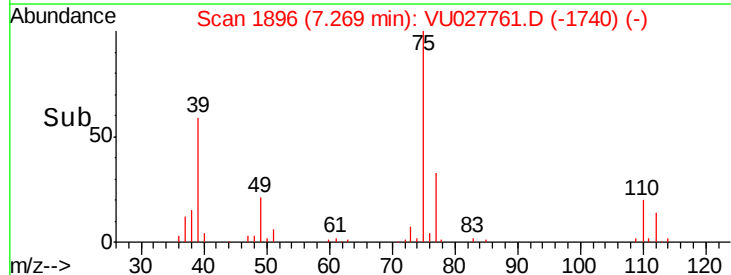
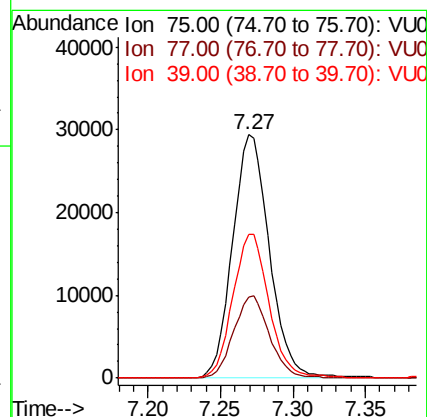
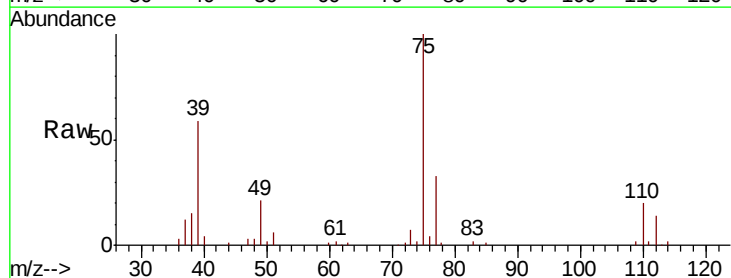
Instrument :
MSVOA_U
ClientSampleId :

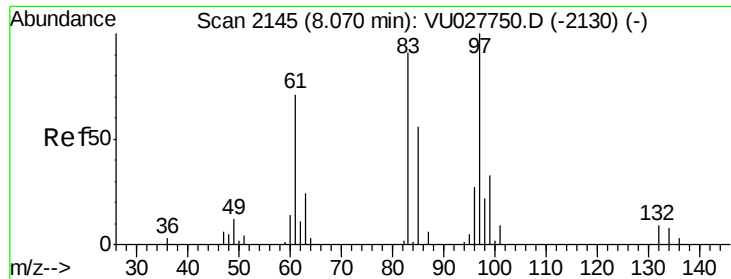
Tot Ion: 75 Resp: 72624
Ion Ratio Lower Upper
75 100
77 31.3 24.1 36.1



#51
cis-1,3-Dichloropropene
Concen: 8.681 ug/l
RT: 7.27 min Scan# 1896
Delta R.T. 0.00 min
Lab File: VU027761.D
Acq: 23 Oct 2018 13:33

Tgt Ion: 75 Resp: 51683
Ion Ratio Lower Upper
75 100
77 33.2 25.3 37.9
39 59.0 46.4 69.6

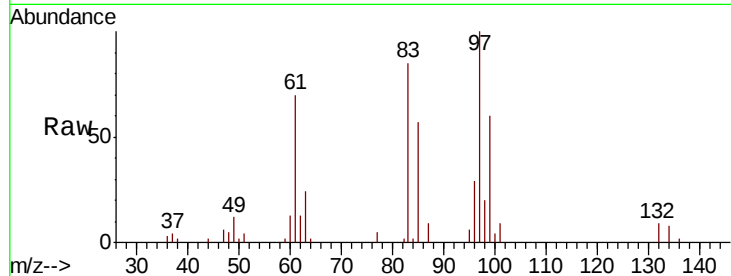




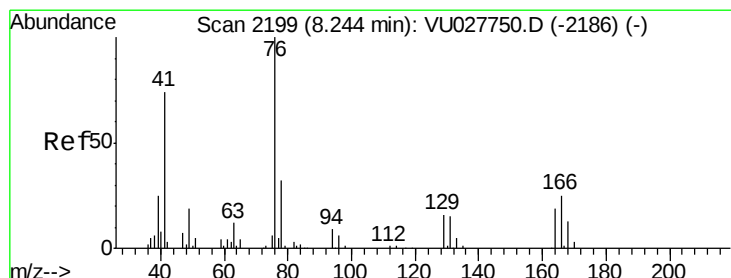
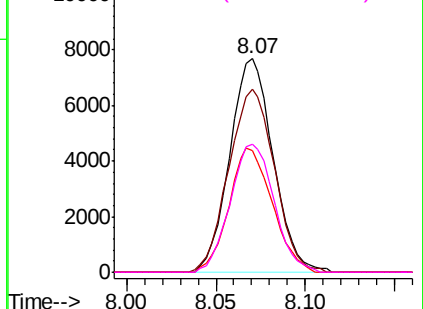
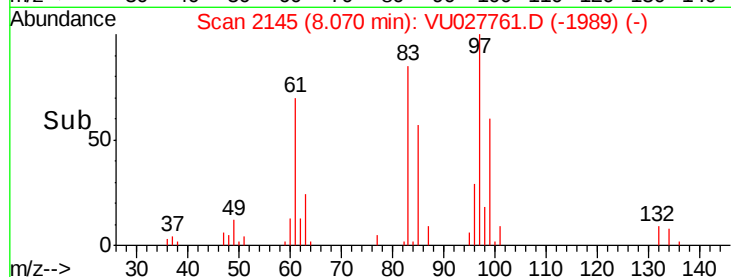
#52
 1,1,2-Trichloroethane
 Concen: 5.139 ug/l
 RT: 8.07 min Scan# 2145
 Delta R.T. 0.00 min
 Lab File: VU027761.D
 Acq: 23 Oct 2018 13:33

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:	97	Resp:	12968
Ion	Ratio	Lower	Upper
97	100		
83	85.4	73.0	109.6
85	56.9	46.5	69.7
99	60.2	49.8	74.8

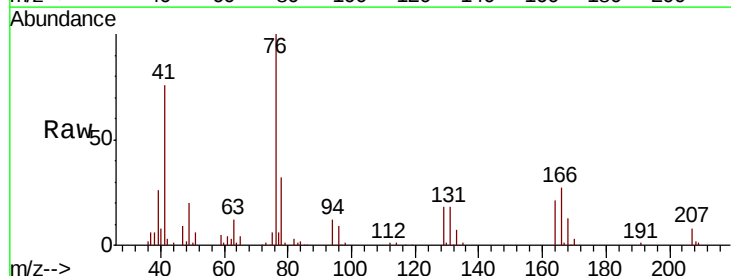


Abundance Ion 97.00 (96.70 to 97.70): VU0
 Ion 82.95 (82.65 to 83.65): VU0
 Ion 84.95 (84.65 to 85.65): VU0
 Ion 98.95 (98.65 to 99.65): VU0

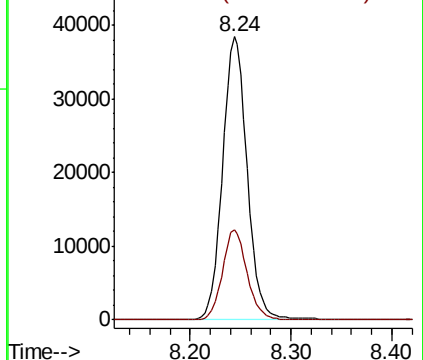
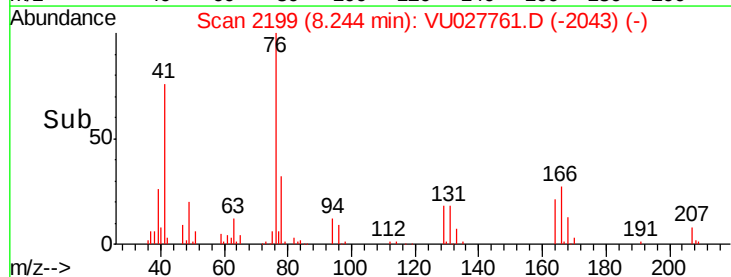


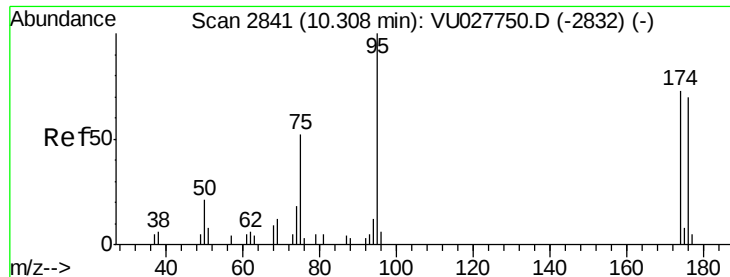
#53
 1,3-Dichloropropane
 Concen: 13.515 ug/l
 RT: 8.24 min Scan# 2199
 Delta R.T. 0.00 min
 Lab File: VU027761.D
 Acq: 23 Oct 2018 13:33

Tgt Ion:	76	Resp:	65514
Ion	Ratio	Lower	Upper
76	100		
78	31.7	25.4	38.0



Abundance Ion 76.00 (75.70 to 76.70): VU0
 Ion 78.00 (77.70 to 78.70): VU0





#57

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 10.31 min Scan# 2842

Delta R.T. 0.00 min

Lab File: VU027761.D

Acq: 23 Oct 2018 13:33

Instrument :

MSVOA_U

ClientSampleId :

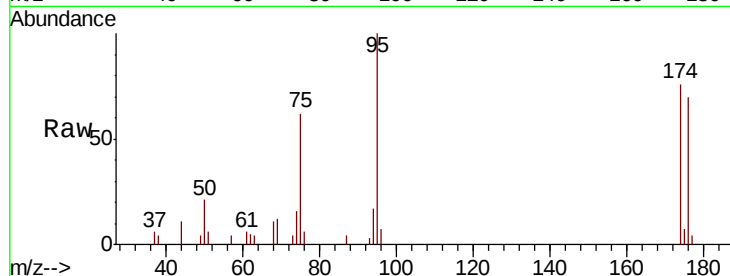
Tot Ion: 95 Resp: 4677

Ion Ratio Lower Upper

95 100

174 74.0 64.5 96.7

176 72.2 58.3 87.5

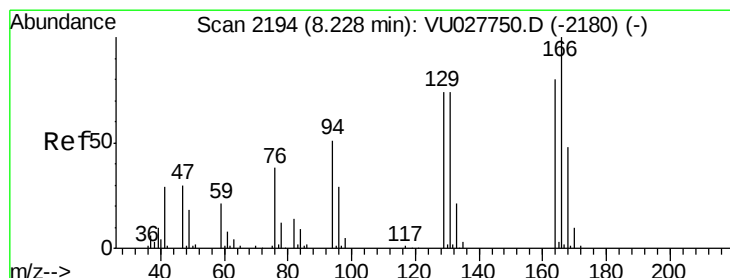
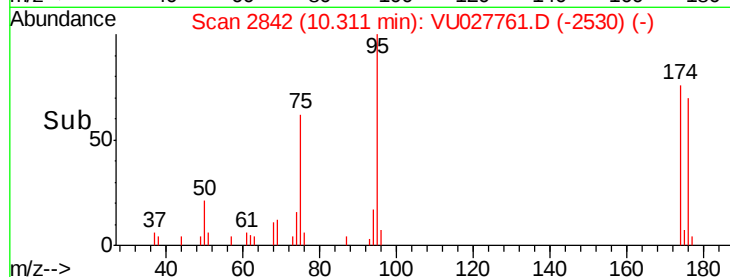
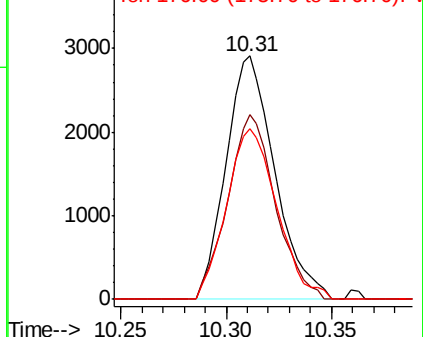


Abundance

Ion 95.00 (94.70 to 95.70): VU027750.D (-2832) (-)

Ion 174.00 (173.70 to 174.70): VU027750.D (-2832) (-)

Ion 176.00 (175.70 to 176.70): VU027750.D (-2832) (-)



#58

Tetrachloroethene

Concen: 11.254 ug/l

RT: 8.23 min Scan# 2194

Delta R.T. 0.00 min

Lab File: VU027761.D

Acq: 23 Oct 2018 13:33

Tgt Ion: 164 Resp: 38316

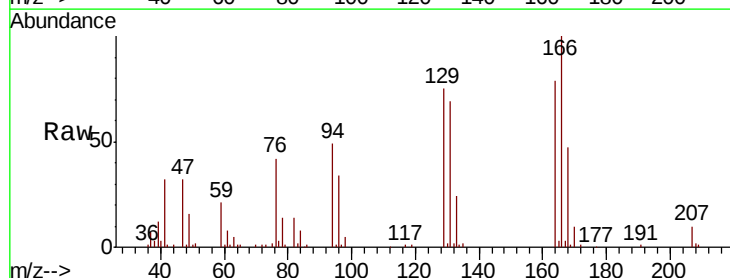
Ion Ratio Lower Upper

164 100

166 127.2 100.2 150.4

129 94.8 73.7 110.5

131 88.1 73.8 110.6



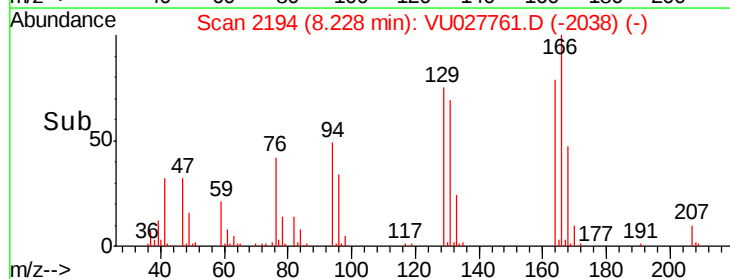
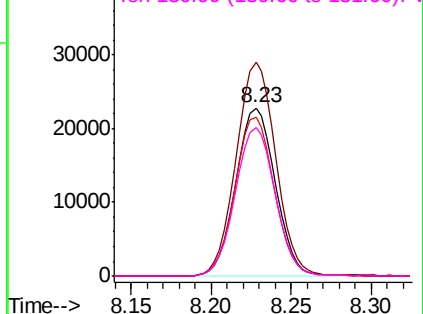
Abundance

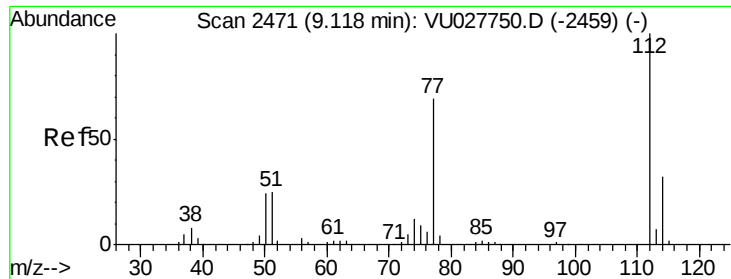
Ion 163.85 (163.55 to 164.55): VU027750.D (-2180) (-)

Ion 165.80 (165.50 to 166.50): VU027750.D (-2180) (-)

Ion 128.90 (128.60 to 129.60): VU027750.D (-2180) (-)

Ion 130.90 (130.60 to 131.60): VU027750.D (-2180) (-)

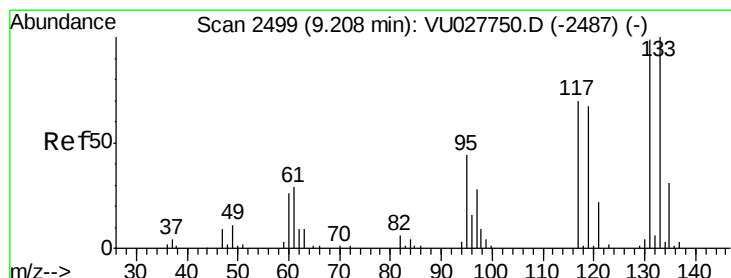
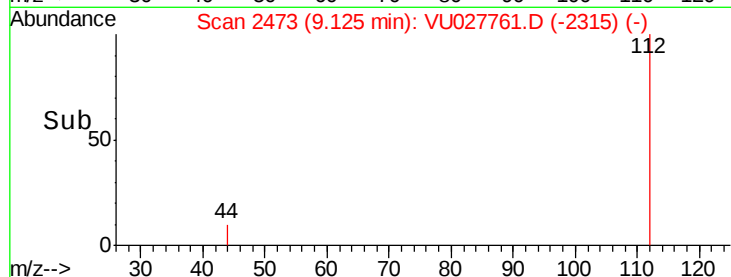
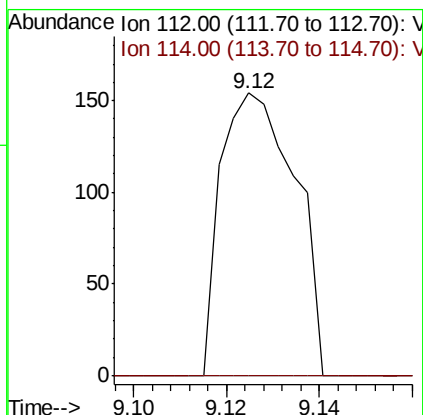
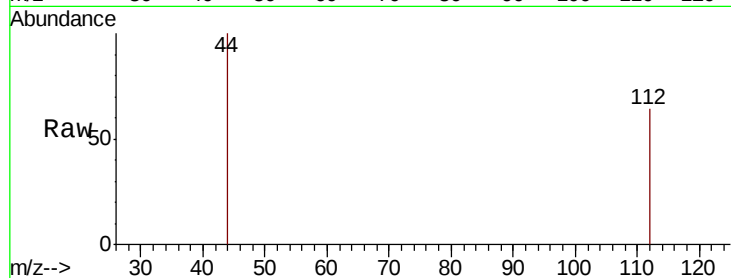




#59
Chlorobenzene
Concen: 0.018 ug/l
RT: 9.12 min Scan# 2473
Delta R.T. 0.01 min
Lab File: VU027761.D
Acq: 23 Oct 2018 13:33

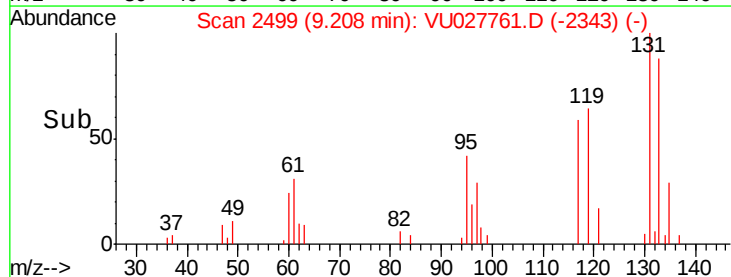
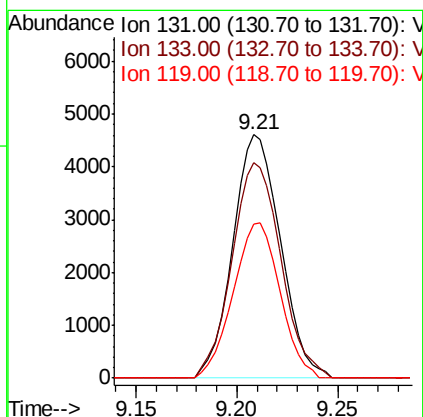
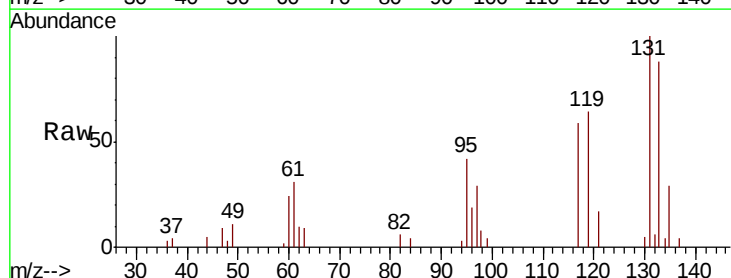
Instrument :
MSVOA_U
ClientSampleId :

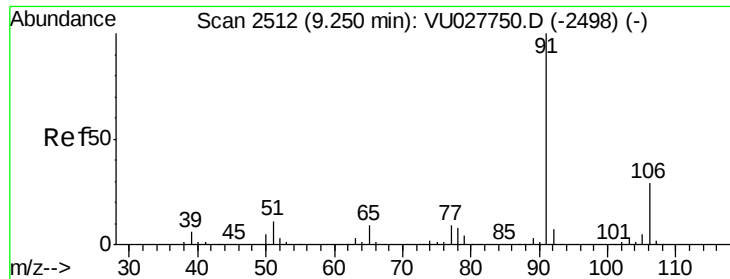
Tot Ion:112 Resp: 172
Ion Ratio Lower Upper
112 100
114 0.0 25.4 38.0#



#60
1,1,1,2-Tetrachloroethane
Concen: 2.253 ug/l
RT: 9.21 min Scan# 2499
Delta R.T. 0.00 min
Lab File: VU027761.D
Acq: 23 Oct 2018 13:33

Tgt Ion:131 Resp: 7619
Ion Ratio Lower Upper
131 100
133 90.9 77.5 116.3
119 62.6 52.0 78.0





#63

Ethyl Benzene

Concen: 0.018 ug/l

RT: 9.25 min Scan# 2513

Delta R.T. 0.00 min

Lab File: VU027761.D

Acq: 23 Oct 2018 13:33

Instrument :

MSVOA_U

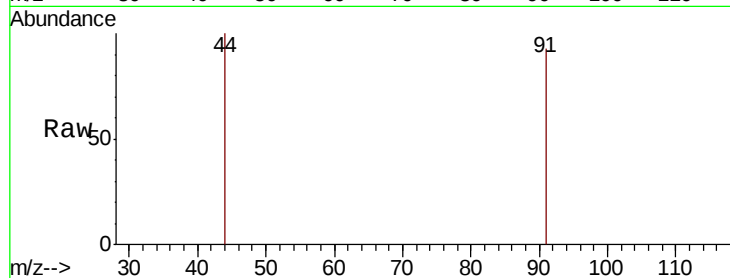
ClientSampleId :

Tot Ion: 91 Resp: 318

Ion Ratio Lower Upper

91 100

106 0.0 23.5 35.3#



Abundance Ion 91.00 (90.70 to 91.70): VU027750.D (-2498) (-)

Ion 106.00 (105.70 to 106.70): VU027750.D (-2498) (-)

9.25

250

200

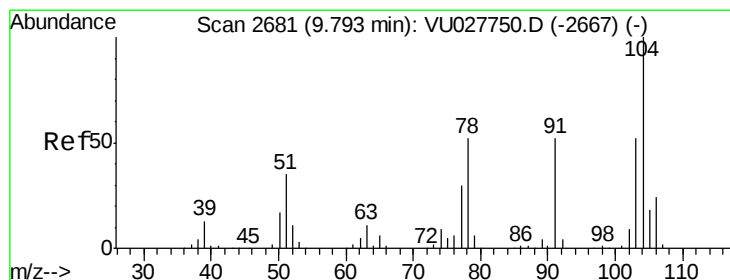
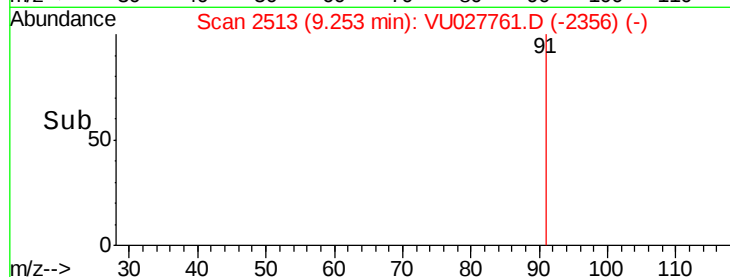
150

100

50

0

Time-->



#66

Styrene

Concen: 0.013 ug/l

RT: 9.80 min Scan# 2683

Delta R.T. 0.01 min

Lab File: VU027761.D

Acq: 23 Oct 2018 13:33

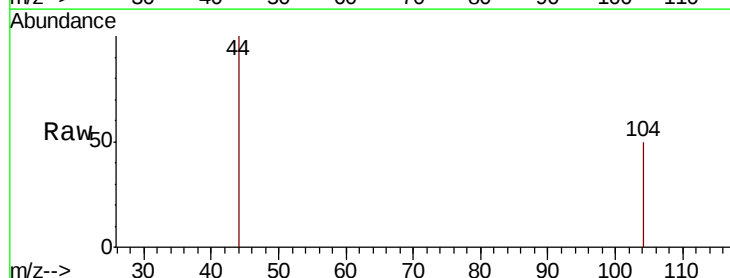
Tgt Ion: 104 Resp: 134

Ion Ratio Lower Upper

104 100

78 0.0 45.2 67.8#

103 0.0 44.8 67.2#



Abundance Ion 104.00 (103.70 to 104.70): VU027750.D (-2667) (-)

Ion 78.00 (77.70 to 78.70): VU027750.D (-2667) (-)

Ion 103.00 (102.70 to 103.70): VU027750.D (-2667) (-)

9.80

200

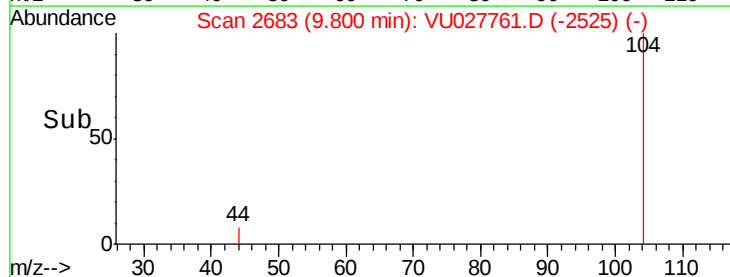
150

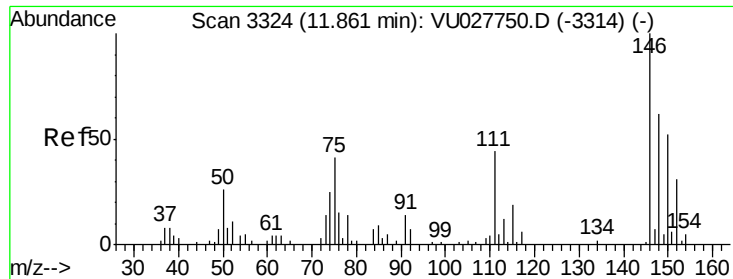
100

50

0

Time-->

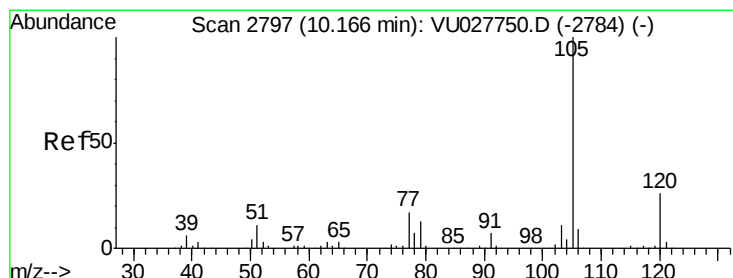
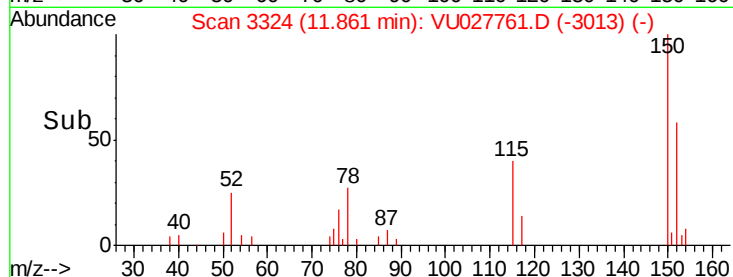
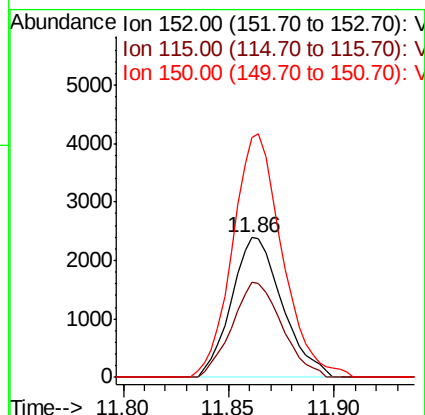
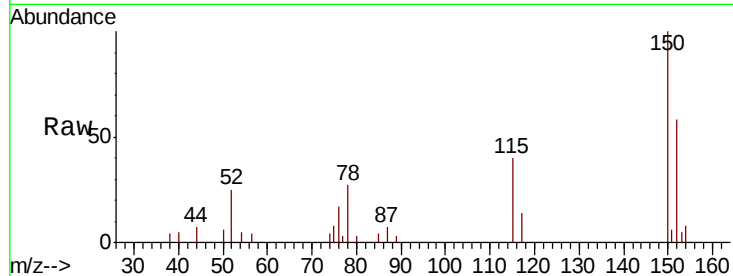




#68
 1,2-Dichlorobenzene-d4
 Concen: N.D. ug/l
 RT: 11.86 min Scan# 3324
 Delta R.T. 0.00 min
 Lab File: VU027761.D
 Acq: 23 Oct 2018 13:33

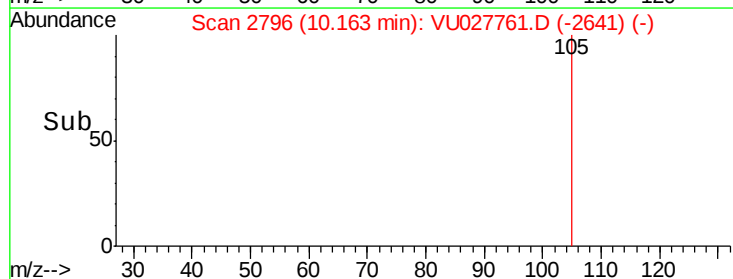
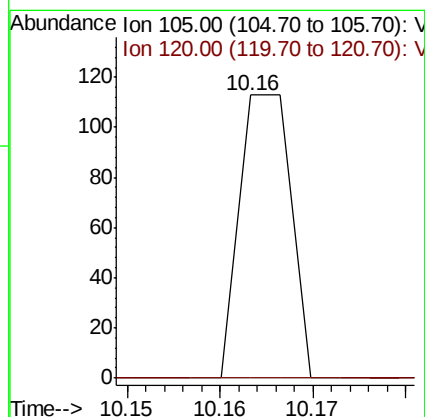
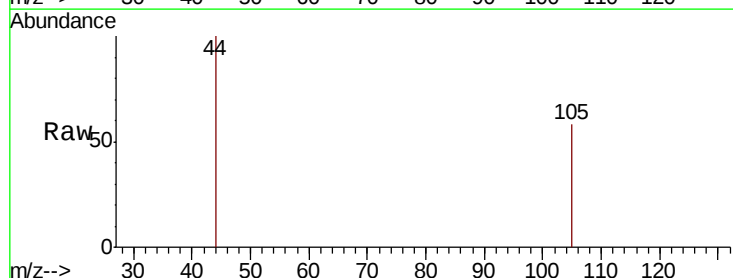
Instrument :
 MSVOA_U
 ClientSampled :

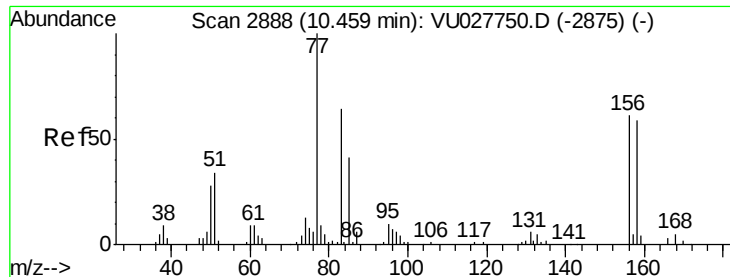
Tot Ion:152 Resp: 3987
 Ion Ratio Lower Upper
 152 100
 115 66.8 0.0 130.2
 150 170.1 0.0 650.6



#69
 Isopropylbenzene
 Concen: 0.003 ug/l
 RT: 10.16 min Scan# 2796
 Delta R.T. -0.00 min
 Lab File: VU027761.D
 Acq: 23 Oct 2018 13:33

Tgt Ion:105 Resp: 44
 Ion Ratio Lower Upper
 105 100
 120 0.0 12.8 38.3#





#70

1,1,2,2-Tetrachloroethane

Concen: 0.378 ug/l

RT: 10.49 min Scan# 2899

Delta R.T. 0.04 min

Lab File: VU027761.D

Acq: 23 Oct 2018 13:33

Instrument :

MSVOA_U

ClientSampled :

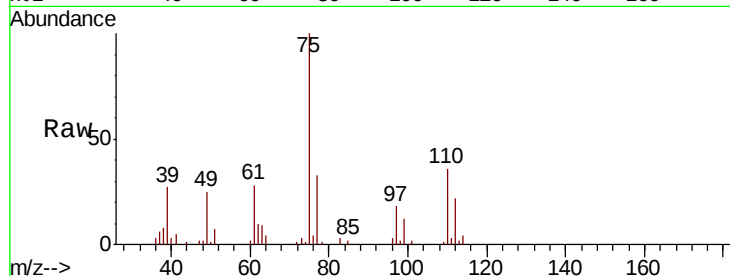
Tot Ion: 83 Resp: 1267

Ion Ratio Lower Upper

83 100

131 0.0 7.7 11.5#

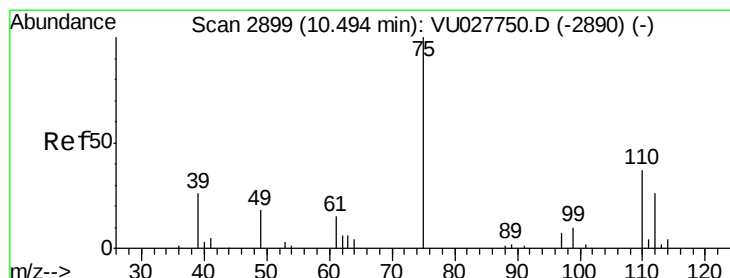
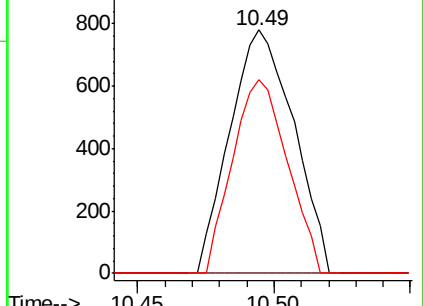
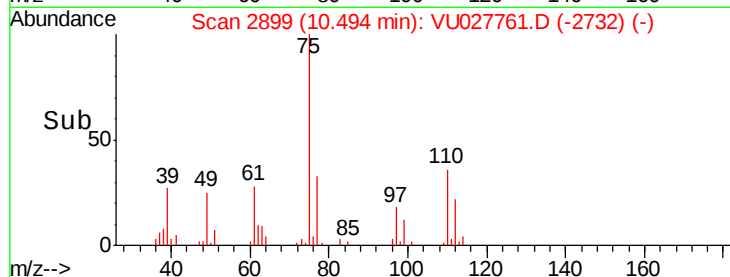
85 68.7 51.2 76.8



Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VU0



#71

1,2,3-Trichloropropane

Concen: 18.716 ug/l

RT: 10.49 min Scan# 2899

Delta R.T. 0.00 min

Lab File: VU027761.D

Acq: 23 Oct 2018 13:33

Tgt Ion: 75 Resp: 48777

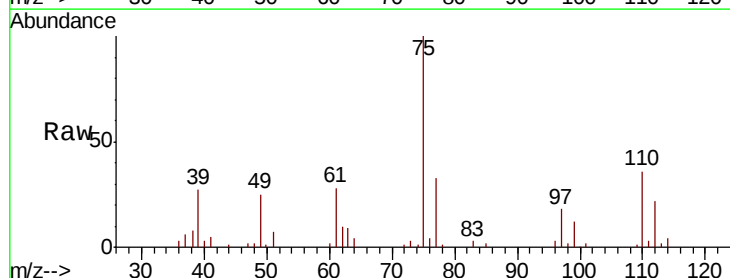
Ion Ratio Lower Upper

75 100

77 33.1 0.0 0.0#

110 35.1 0.0 68.2

97 18.1 0.0 35.2

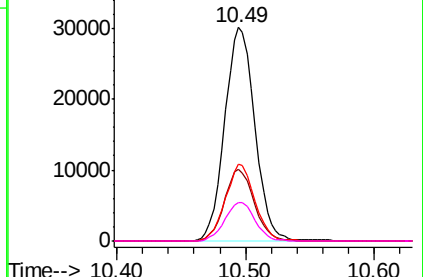
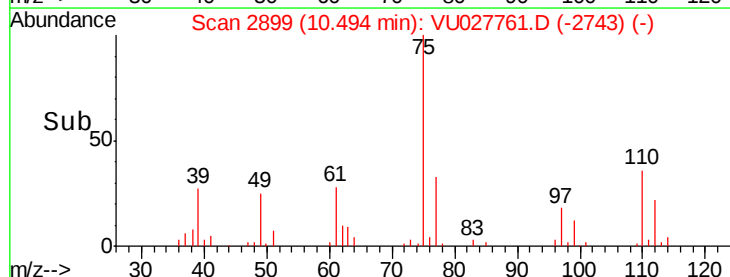


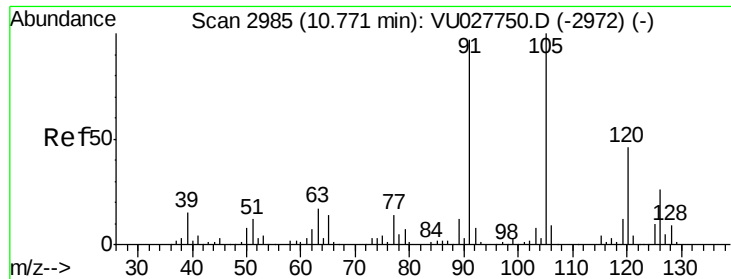
Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

Ion 110.00 (109.70 to 110.70): V

Ion 97.00 (96.70 to 97.70): VU0

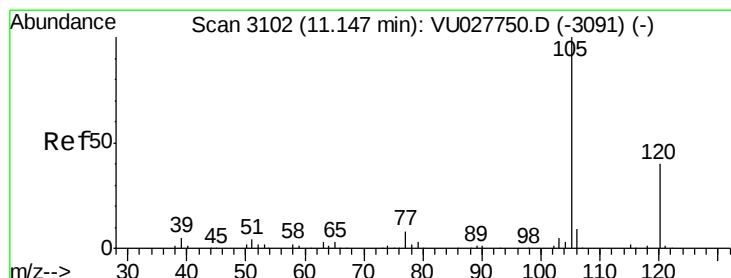
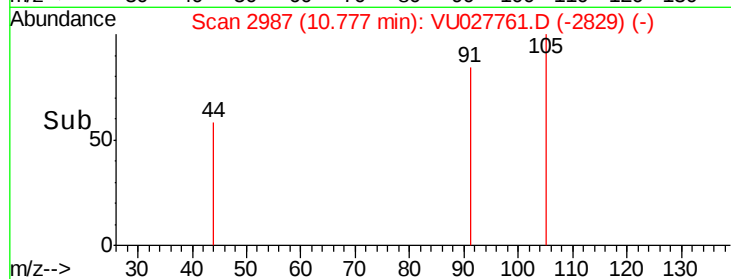
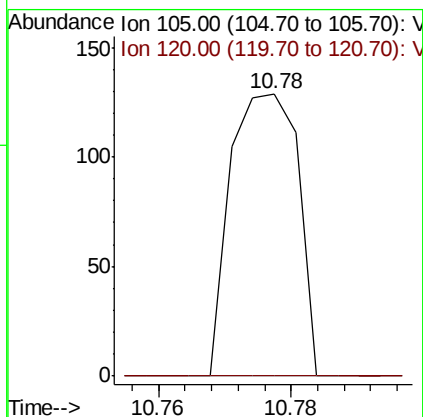
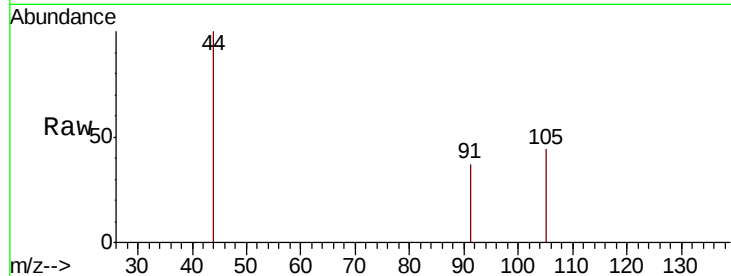




#75
 1,3,5-Trimethylbenzene
 Concen: 0.006 ug/l
 RT: 10.78 min Scan# 2987
 Delta R.T. 0.01 min
 Lab File: VU027761.D
 Acq: 23 Oct 2018 13:33

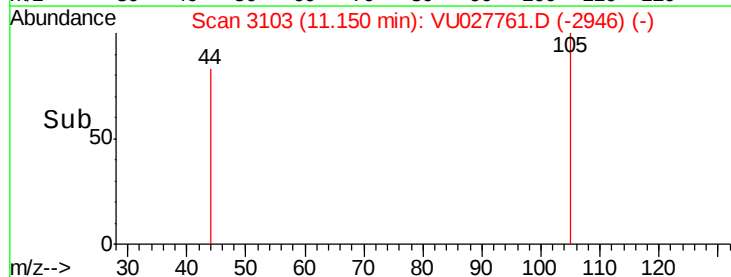
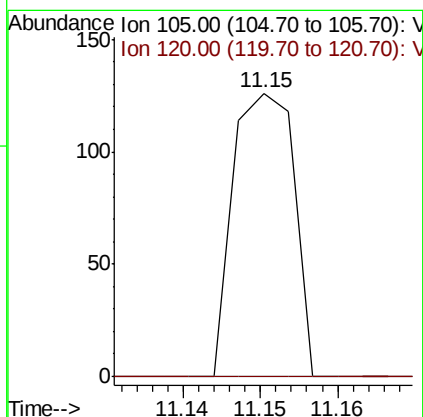
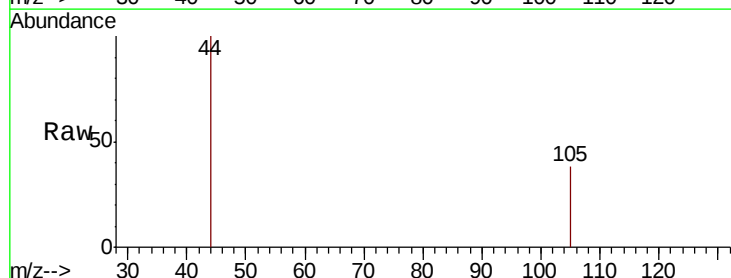
Instrument :
 MSVOA_U
 ClientSampleId :

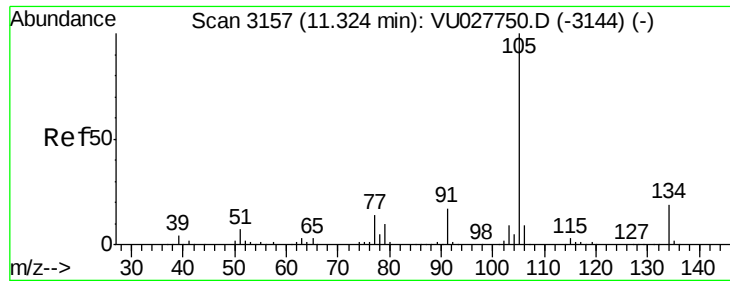
Tot Ion:105 Resp: 91
 Ion Ratio Lower Upper
 105 100
 120 0.0 37.2 55.8#



#78
 1,2,4-Trimethylbenzene
 Concen: 0.005 ug/l
 RT: 11.15 min Scan# 3103
 Delta R.T. 0.00 min
 Lab File: VU027761.D
 Acq: 23 Oct 2018 13:33

Tgt Ion:105 Resp: 69
 Ion Ratio Lower Upper
 105 100
 120 0.0 21.6 64.6#

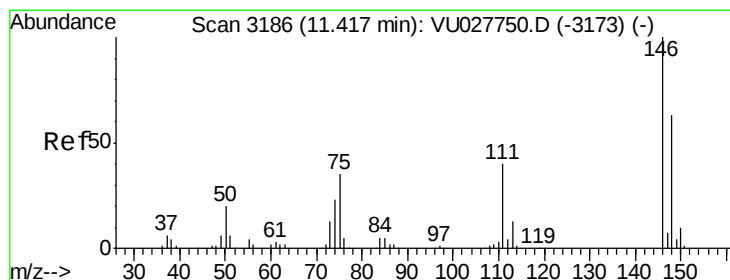
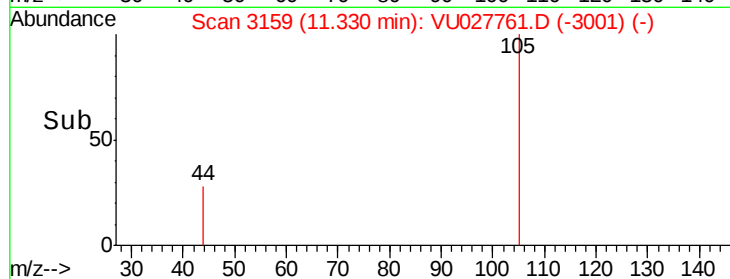
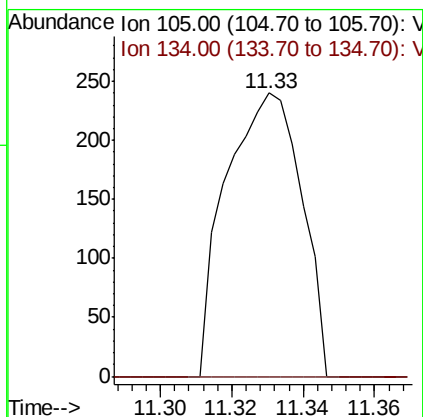
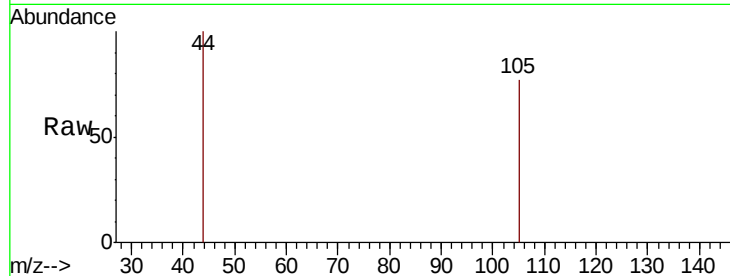




#79
 sec-Butylbenzene
 Concen: 0.019 ug/l
 RT: 11.33 min Scan# 3159
 Delta R.T. 0.01 min
 Lab File: VU027761.D
 Acq: 23 Oct 2018 13:33

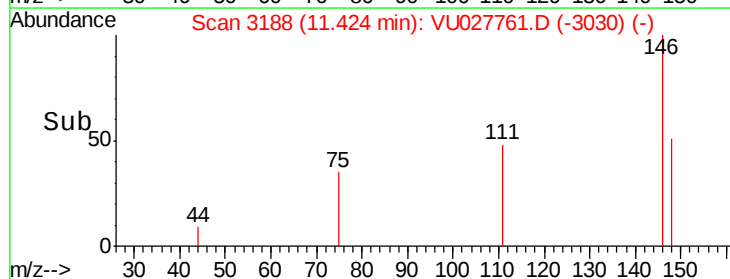
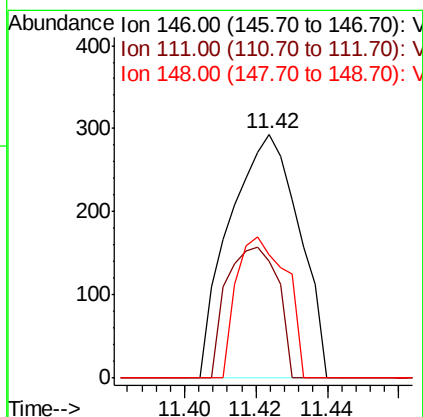
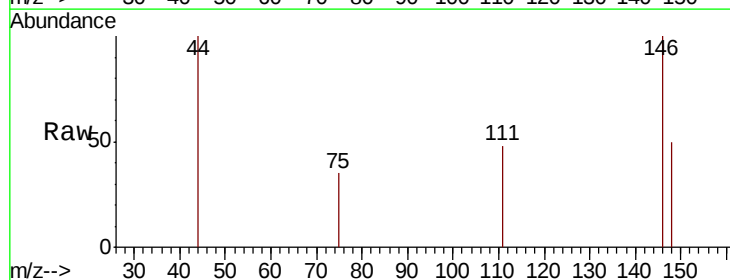
Instrument :
 MSVOA_U
 ClientSampled :

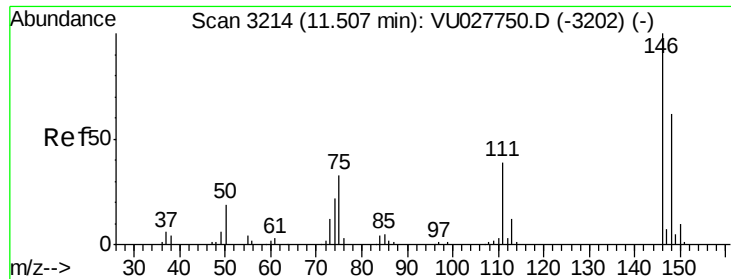
Tot Ion:105 Resp: 350
 Ion Ratio Lower Upper
 105 100
 134 0.0 15.2 22.8#



#82
 1,3-Dichlorobenzene
 Concen: 0.052 ug/l
 RT: 11.42 min Scan# 3188
 Delta R.T. 0.01 min
 Lab File: VU027761.D
 Acq: 23 Oct 2018 13:33

Tgt Ion:146 Resp: 394
 Ion Ratio Lower Upper
 146 100
 111 39.6 32.7 49.1
 148 41.4 50.6 75.8#

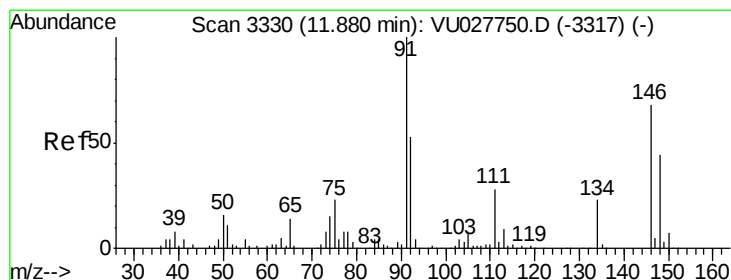
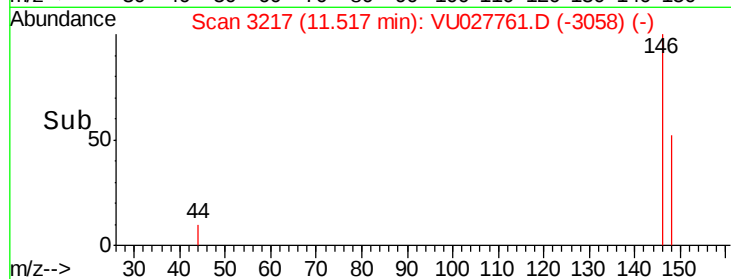
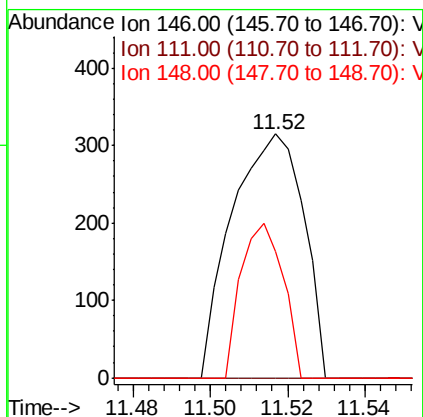
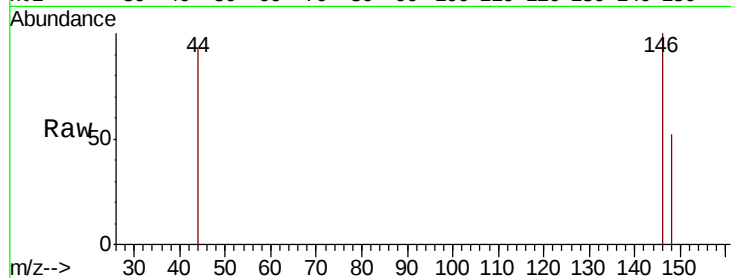




#83
1,4-Dichlorobenzene
Concen: 0.054 ug/l
RT: 11.52 min Scan# 3217
Delta R.T. 0.01 min
Lab File: VU027761.D
Acq: 23 Oct 2018 13:33

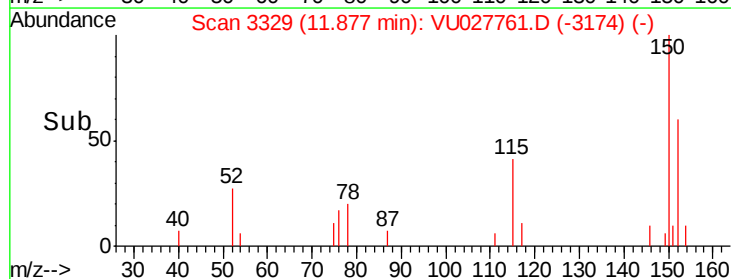
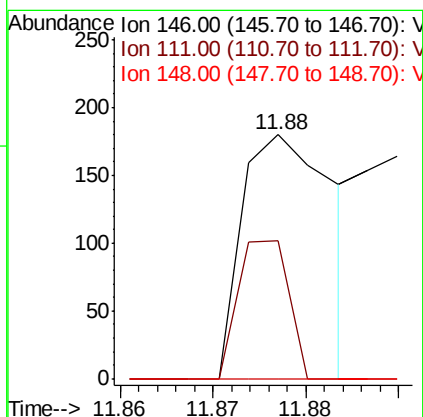
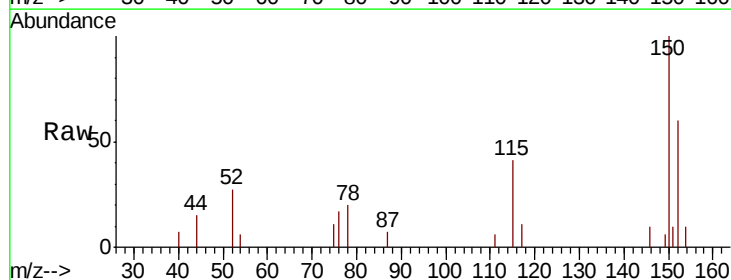
Instrument :
MSVOA_U
ClientSampled :

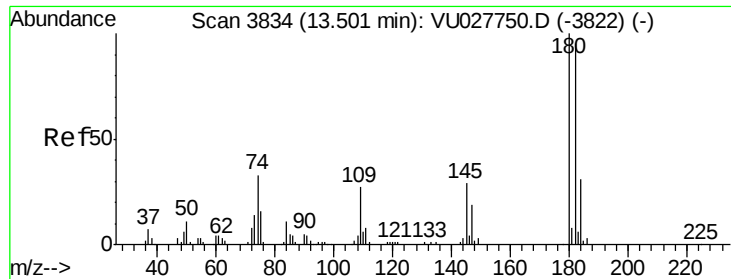
Tot Ion:146 Resp: 405
Ion Ratio Lower Upper
146 100
111 0.0 32.0 48.0#
148 37.0 50.9 76.3#



#85
1,2-Dichlorobenzene
Concen: 0.017 ug/l
RT: 11.88 min Scan# 3329
Delta R.T. -0.00 min
Lab File: VU027761.D
Acq: 23 Oct 2018 13:33

Tgt Ion:146 Resp: 123
Ion Ratio Lower Upper
146 100
111 31.7 21.2 63.6
148 0.0 32.2 96.6#

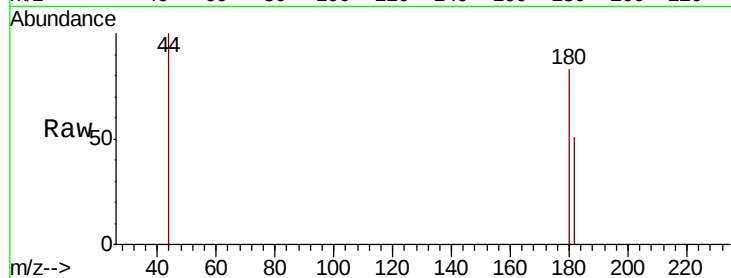




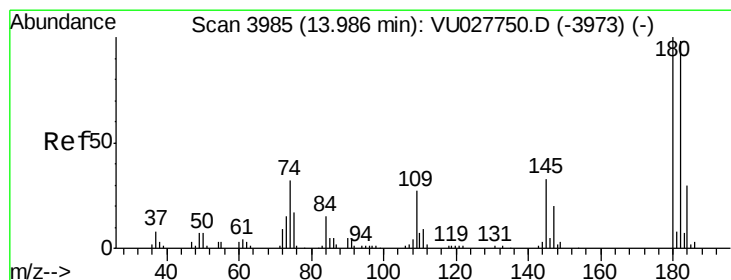
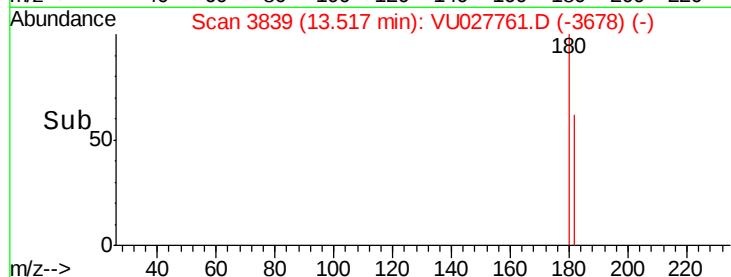
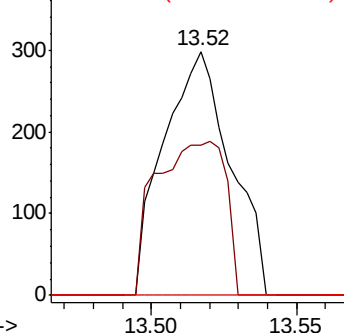
#87
 1,2,4-Trichlorobenzene
 Concen: 0.092 ug/l
 RT: 13.52 min Scan# 3839
 Delta R.T. 0.02 min
 Lab File: VU027761.D
 Acq: 23 Oct 2018 13:33

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:180 Resp: 479
 Ion Ratio Lower Upper
 180 100
 182 66.0 75.9 113.9#
 145 0.0 23.6 35.4#

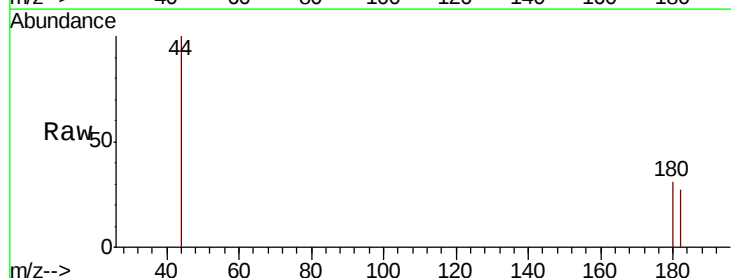


Abundance Ion 179.70 (179.40 to 180.40): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V



#90
 1,2,3-Trichlorobenzene
 Concen: 0.028 ug/l
 RT: 14.00 min Scan# 3988
 Delta R.T. 0.01 min
 Lab File: VU027761.D
 Acq: 23 Oct 2018 13:33

Tgt Ion:180 Resp: 139
 Ion Ratio Lower Upper
 180 100
 182 66.9 77.0 115.6#
 145 0.0 25.4 38.2#



Abundance Ion 179.70 (179.40 to 180.40): V
 Ion 181.70 (181.40 to 182.40): V
 Ion 144.80 (144.50 to 145.50): V

