

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU091218\
 Data File : VU026677.D
 Acq On : 11 Sep 2018 10:57
 Operator : MD/SY
 Sample : VSTDIC005
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

Quant Time: Sep 12 04:50:01 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U091218W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 12 04:37:08 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.98	168	98523	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	150033	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	143590	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	76060	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.31	65	8583	5.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	11.48%	
35) Dibromofluoromethane	4.88	113	6808	5.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	11.12%	
50) Toluene-d8	7.57	98	24437	5.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.80%	
62) 4-Bromofluorobenzene	10.31	95	7750	4.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.44%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	5919	5.56	ug/l	97
3) Chloromethane	1.33	50	8214	5.52	ug/l	99
4) Vinyl Chloride	1.40	62	8157	5.29	ug/l	98
5) Bromomethane	1.61	94	5428	5.62	ug/l	96
6) Chloroethane	1.69	64	5346	5.45	ug/l	95
7) Trichlorofluoromethane	1.88	101	10953	5.44	ug/l	99
8) Diethyl Ether	2.10	74	4979	5.64	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.29	101	6604	5.52	ug/l	96
10) Methyl Iodide	2.41	142	2139	2.37	ug/l #	96
11) Tert butyl alcohol	2.83	59	11277	30.96	ug/l	96
12) 1,1-Dichloroethene	2.28	96	6123	5.41	ug/l	96
13) Acrolein	2.19	56	7559	30.79	ug/l	96
14) Allyl chloride	2.59	41	10455	5.13	ug/l	96
15) Acrylonitrile	2.94	53	20253	25.92	ug/l	99
16) Acetone	2.32	43	24529	28.99	ug/l	97
17) Carbon Disulfide	2.48	76	19088	5.30	ug/l	99
18) Methyl Acetate	2.61	43	9786	5.36	ug/l	98
19) Methyl tert-butyl Ether	3.00	73	19777	5.08	ug/l	97
20) Methylene Chloride	2.70	84	7665	5.58	ug/l	95
21) trans-1,2-Dichloroethene	2.98	96	6480	5.44	ug/l	94
22) Diisopropyl ether	3.57	45	21982	5.17	ug/l	91
23) Vinyl Acetate	3.53	43	90040	24.93	ug/l	100
24) 1,1-Dichloroethane	3.45	63	13397	5.59	ug/l	98
25) 2-Butanone	4.27	43	30320	26.60	ug/l	100
26) 2,2-Dichloropropane	4.22	77	10321	5.24	ug/l	100
27) cis-1,2-Dichloroethene	4.23	96	7383	5.38	ug/l	98
28) Bromochloromethane	4.55	49	6392	5.57	ug/l #	98
29) Tetrahydrofuran	4.64	42	17498	25.46	ug/l	98
30) Chloroform	4.67	83	12850	5.45	ug/l	92
31) Cyclohexane	5.00	56	12160	4.90	ug/l #	81
32) 1,1,1-Trichloroethane	4.92	97	10340	5.30	ug/l	96
36) 1,1-Dichloropropene	5.14	75	8454	5.02	ug/l	99
37) Ethyl Acetate	4.39	43	11109	5.48	ug/l #	94
38) Carbon Tetrachloride	5.14	117	9377	5.27	ug/l	98

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 Data File : VU026677.D
 Acq On : 11 Sep 2018 10:57
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 Sample : VSTDIC005
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

Quant Time: Sep 12 04:50:01 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U091218W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 12 04:37:08 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	9932	4.97	ug/l	98
40) Benzene	5.39	78	27606	5.28	ug/l	98
41) Methacrylonitrile	4.54	41	5548	5.28	ug/l	92
42) 1,2-Dichloroethane	5.41	62	9922	5.32	ug/l	97
43) Isopropyl Acetate	5.55	43	15369	4.98	ug/l	98
44) Trichloroethene	6.19	130	6834	5.28	ug/l	97
45) 1,2-Dichloropropane	6.44	63	7619	5.36	ug/l	93
46) Dibromomethane	6.57	93	4966	5.41	ug/l	98
47) Bromodichloromethane	6.76	83	9439	5.22	ug/l	94
48) Methyl methacrylate	6.63	41	7673	5.04	ug/l	95
49) 1,4-Dioxane	6.62	88	3577	101.40	ug/l	97
51) 4-Methyl-2-Pentanone	7.46	43	51307	24.87	ug/l	96
52) Toluene	7.64	92	16285	5.23	ug/l	99
53) t-1,3-Dichloropropene	7.88	75	9659	4.82	ug/l	97
54) cis-1,3-Dichloropropene	7.27	75	10808	5.02	ug/l	99
55) 1,1,2-Trichloroethane	8.07	97	6893	5.16	ug/l	99
56) Ethyl methacrylate	8.02	69	9090	4.66	ug/l	98
57) 1,3-Dichloropropane	8.25	76	11713	5.15	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.13	63	21983	22.88	ug/l	100
59) 2-Hexanone	8.37	43	39726	24.47	ug/l	95
60) Dibromochloromethane	8.48	129	7494	5.18	ug/l	94
61) 1,2-Dibromoethane	8.59	107	7485	5.17	ug/l	98
64) Tetrachloroethene	8.23	164	6136	5.37	ug/l	94
65) Chlorobenzene	9.12	112	18320	5.14	ug/l	98
66) 1,1,1,2-Tetrachloroethane	9.21	131	6742	5.14	ug/l	97
67) Ethyl Benzene	9.25	91	28191	4.80	ug/l	99
68) m/p-Xylenes	9.38	106	21299	9.53	ug/l	100
69) o-Xylene	9.78	106	10773	4.95	ug/l	97
70) Styrene	9.79	104	16355	4.59	ug/l	97
71) Bromoform	9.96	173	5455	4.78	ug/l #	99
73) Isopropylbenzene	10.17	105	27066	5.22	ug/l	100
74) N-amyl acetate	10.02	43	12106	4.95	ug/l	98
75) 1,1,2,2-Tetrachloroethane	10.46	83	11523	5.46	ug/l	97
76) 1,2,3-Trichloropropane	10.49	75	12857	6.65	ug/l	82
77) Bromobenzene	10.46	156	7158	5.08	ug/l	93
78) n-propylbenzene	10.59	91	30023	4.98	ug/l	99
79) 2-Chlorotoluene	10.66	91	20461	5.48	ug/l	98
80) 1,3,5-Trimethylbenzene	10.77	105	21750	4.99	ug/l	97
81) trans-1,4-Dichloro-2-buten	10.49	75	12857	14.86	ug/l #	100
82) 4-Chlorotoluene	10.77	91	21509	5.12	ug/l	99
83) tert-Butylbenzene	11.10	119	22902	5.18	ug/l	97
84) 1,2,4-Trimethylbenzene	11.15	105	21527	4.90	ug/l	98
85) sec-Butylbenzene	11.32	105	25503	4.86	ug/l	99
86) p-Isopropyltoluene	11.48	119	21818	4.77	ug/l	98
87) 1,3-Dichlorobenzene	11.42	146	13728	5.22	ug/l	97
88) 1,4-Dichlorobenzene	11.51	146	14301	5.24	ug/l	95
89) n-Butylbenzene	11.89	91	17832	4.45	ug/l	98
90) Hexachloroethane	12.15	117	5020	5.42	ug/l	96
91) 1,2-Dichlorobenzene	11.88	146	13589	5.14	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	12.66	75	2247	5.31	ug/l	99

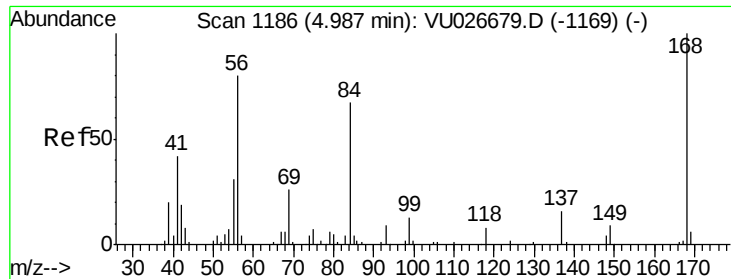
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU091218\
Data File : VU026677.D
Acq On : 11 Sep 2018 10:57
Operator : MD/SY
Sample : VSTDICC005
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTDICC005

Quant Time: Sep 12 04:50:01 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\82U091218W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 12 04:37:08 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.50	180	8102	4.62	ug/l	96
94) Hexachlorobutadiene	13.69	225	4681	5.18	ug/l	95
95) Naphthalene	13.75	128	24280	4.57	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	9025	4.92	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. -0.00 min

Lab File: VU026677.D

Acq: 11 Sep 2018 10:57

Instrument :

MSVOA_U

ClientSampleId :

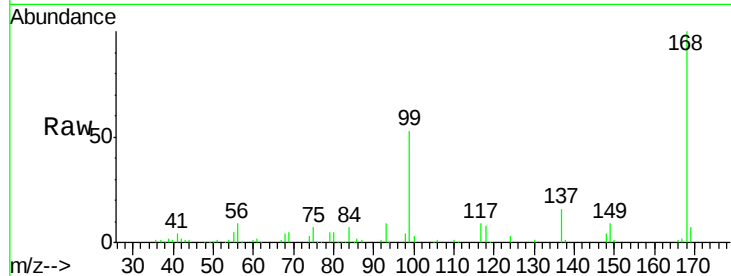
VSTDIC005

Tot Ion:168 Resp: 98523

Ion Ratio Lower Upper

168 100

99 52.9 42.0 63.0

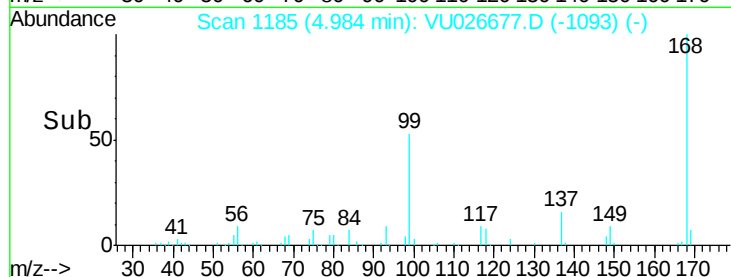


Abundance Ion 167.90 (167.60 to 168.60): VU026677.D (-1093) (-)

Ion 98.90 (98.60 to 99.60): VU026677.D (-1093) (-)

4.98

Time-->



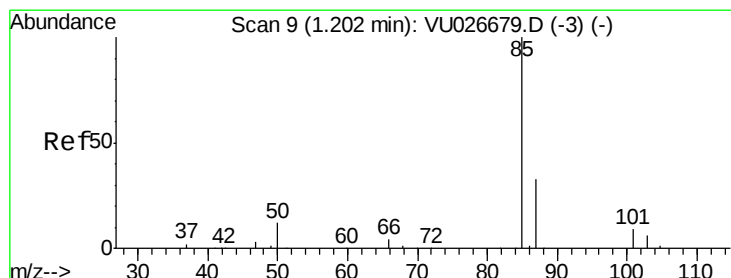
Abundance

Ion 167.90 (167.60 to 168.60): VU026677.D (-1093) (-)

Ion 98.90 (98.60 to 99.60): VU026677.D (-1093) (-)

4.98

Time-->



#2

Dichlorodifluoromethane

Concen: 5.56 ug/l

RT: 1.20 min Scan# 9

Delta R.T. 0.00 min

Lab File: VU026677.D

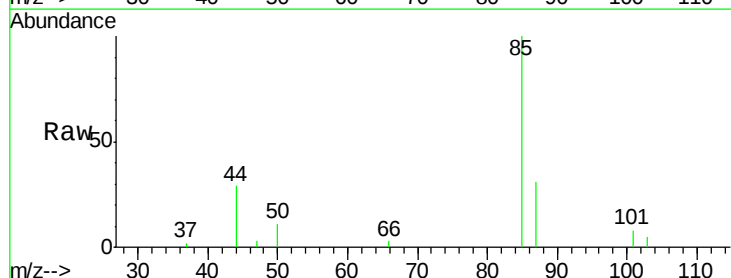
Acq: 11 Sep 2018 10:57

Tgt Ion: 85 Resp: 5919

Ion Ratio Lower Upper

85 100

87 31.2 16.6 49.7

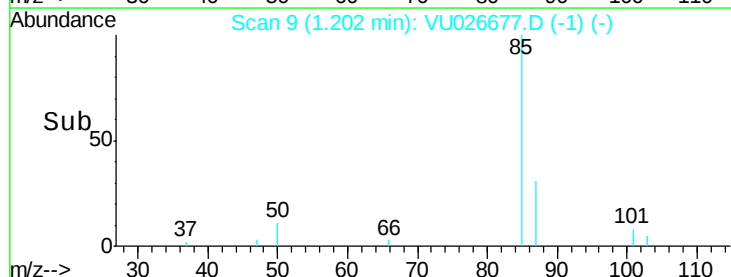


Abundance Ion 84.90 (84.60 to 85.60): VU026677.D (-1) (-)

Ion 86.90 (86.60 to 87.60): VU026677.D (-1) (-)

1.20

Time-->



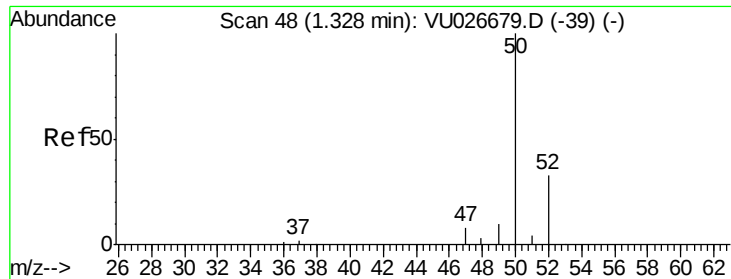
Abundance

Ion 84.90 (84.60 to 85.60): VU026677.D (-1) (-)

Ion 86.90 (86.60 to 87.60): VU026677.D (-1) (-)

1.20

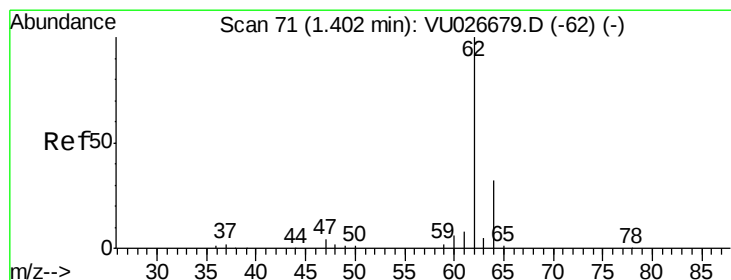
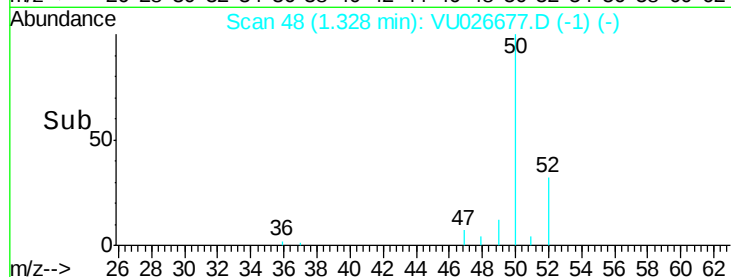
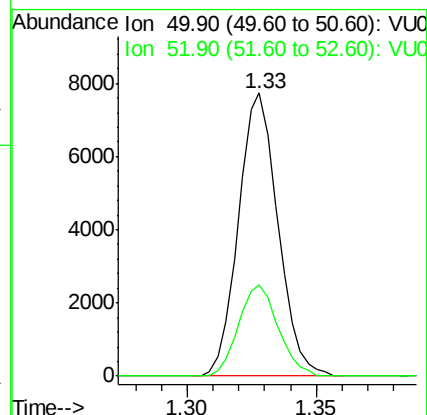
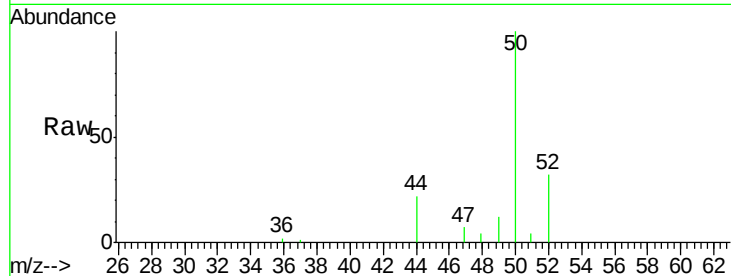
Time-->



#3
 Chloromethane
 Concen: 5.52 ug/l
 RT: 1.33 min Scan# 48
 Delta R.T. 0.00 min
 Lab File: VU026677.D
 Acq: 11 Sep 2018 10:57

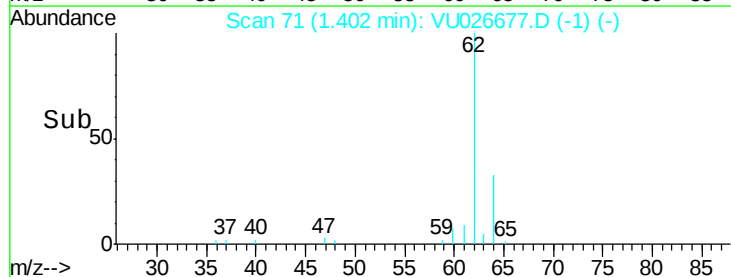
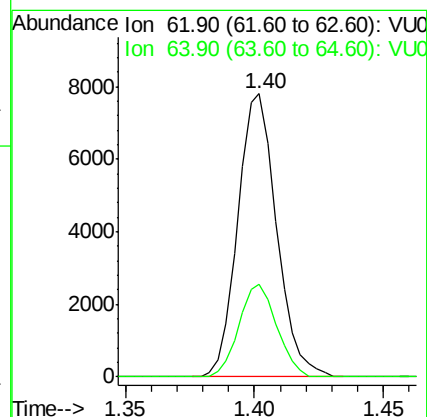
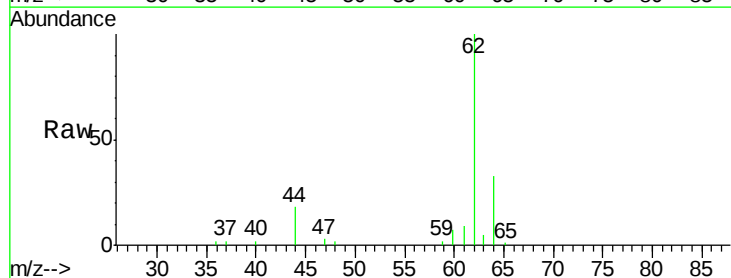
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

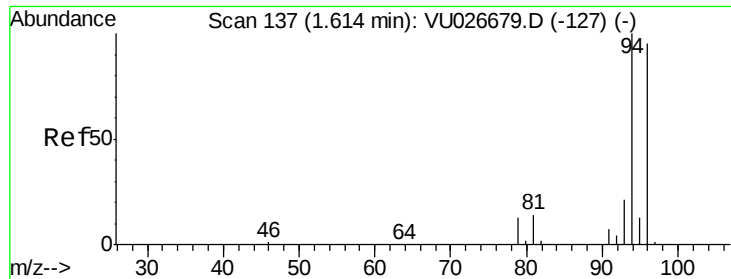
Tot Ion: 50 Resp: 8214
 Ion Ratio Lower Upper
 50 100
 52 32.2 26.3 39.5



#4
 Vinyl Chloride
 Concen: 5.29 ug/l
 RT: 1.40 min Scan# 71
 Delta R.T. 0.00 min
 Lab File: VU026677.D
 Acq: 11 Sep 2018 10:57

Tgt Ion: 62 Resp: 8157
 Ion Ratio Lower Upper
 62 100
 64 32.9 25.6 38.4





#5

Bromomethane

Concen: 5.62 ug/l

RT: 1.61 min Scan# 136

Delta R.T. -0.00 min

Lab File: VU026677.D

Acq: 11 Sep 2018 10:57

Instrument :

MSVOA_U

ClientSampleId :

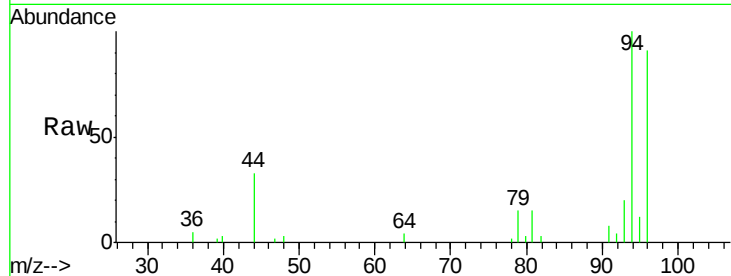
VSTDIC005

Tot Ion: 94 Resp: 5428

Ion Ratio Lower Upper

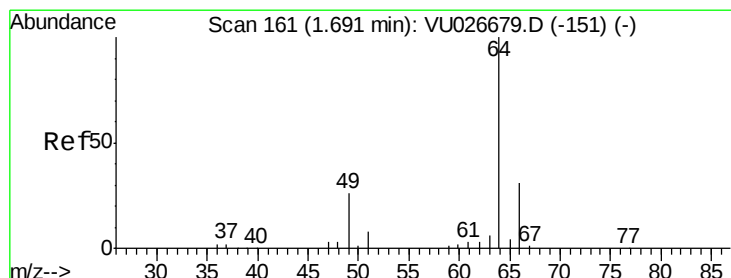
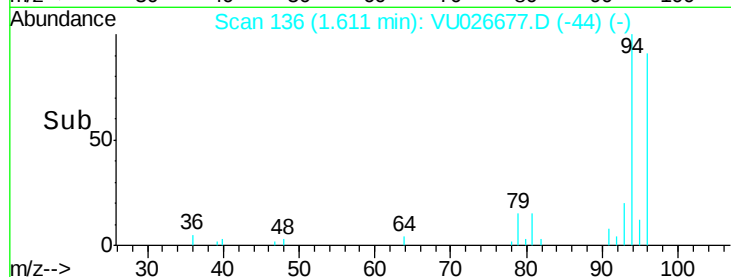
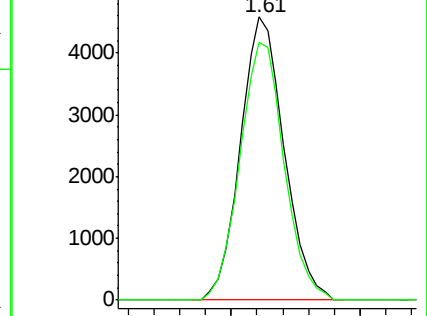
94 100

96 91.3 75.8 113.6



Abundance Ion 93.90 (93.60 to 94.60): VU0

Ion 95.90 (95.60 to 96.60): VU0



#6

Chloroethane

Concen: 5.45 ug/l

RT: 1.69 min Scan# 161

Delta R.T. 0.00 min

Lab File: VU026677.D

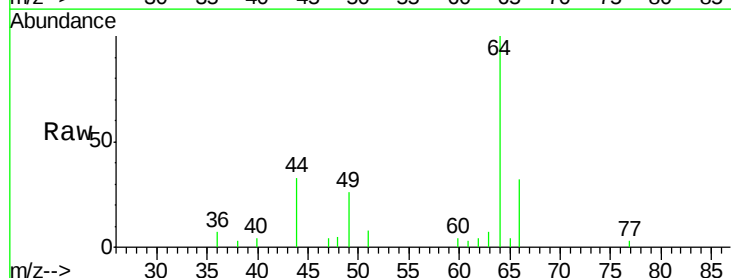
Acq: 11 Sep 2018 10:57

Tgt Ion: 64 Resp: 5346

Ion Ratio Lower Upper

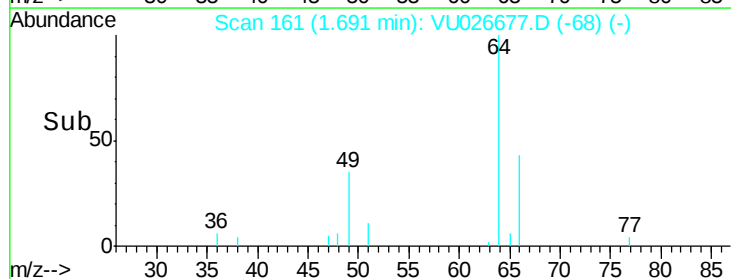
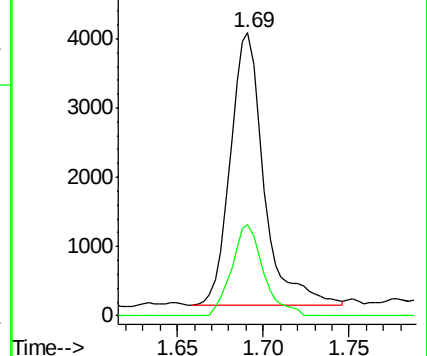
64 100

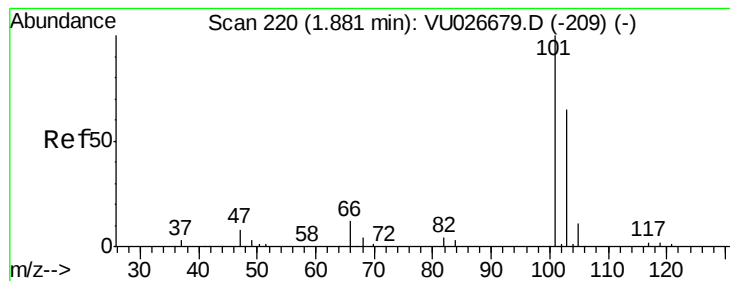
66 33.8 24.7 37.1



Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0





#7

Trichlorofluoromethane

Concen: 5.44 ug/l

RT: 1.88 min Scan# 220

Delta R.T. 0.00 min

Lab File: VU026677.D

Acq: 11 Sep 2018 10:57

Instrument :

MSVOA_U

ClientSampleId :

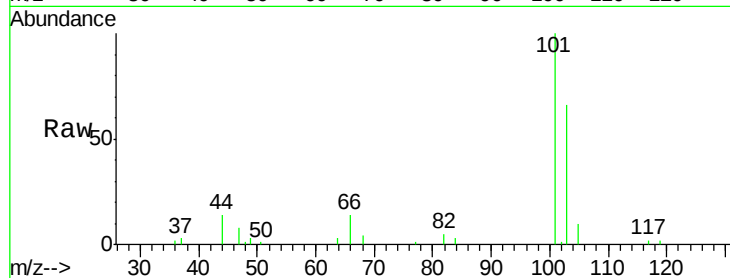
VSTDIC005

Tot Ion:101 Resp: 10953

Ion Ratio Lower Upper

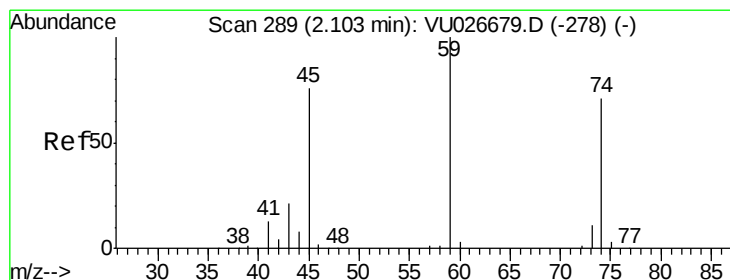
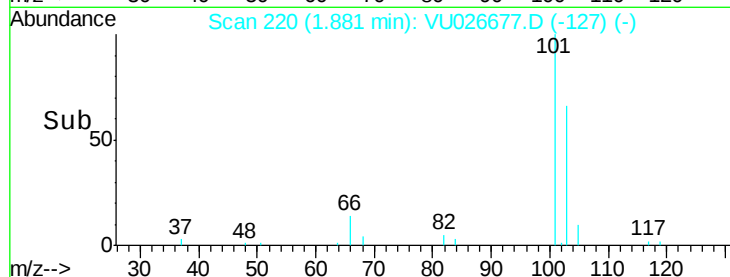
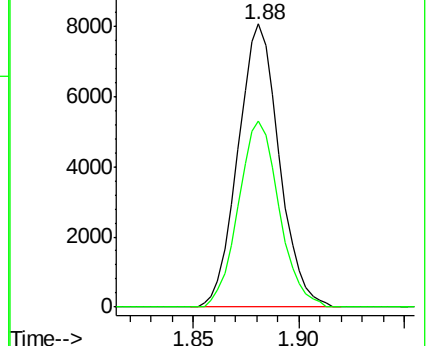
101 100

103 65.6 51.7 77.5



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V



#8

Diethyl Ether

Concen: 5.64 ug/l

RT: 2.10 min Scan# 289

Delta R.T. 0.00 min

Lab File: VU026677.D

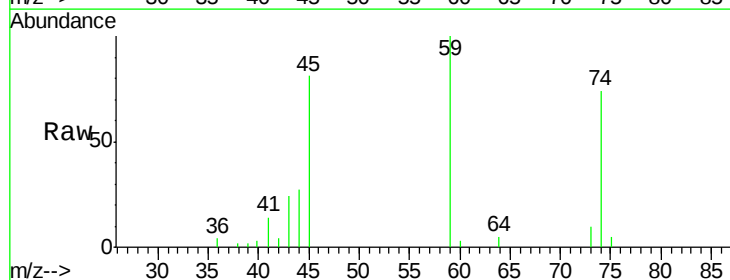
Acq: 11 Sep 2018 10:57

Tgt Ion: 74 Resp: 4979

Ion Ratio Lower Upper

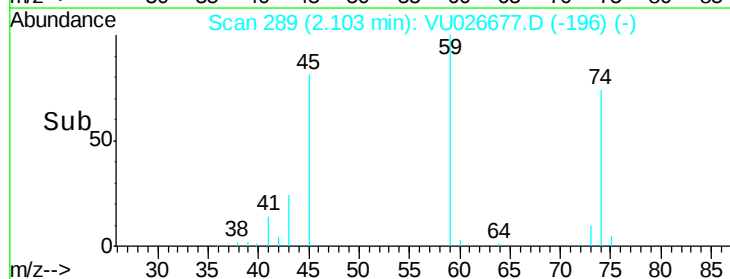
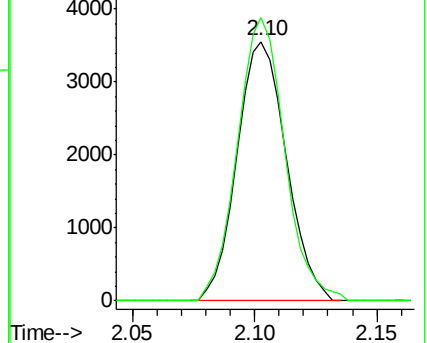
74 100

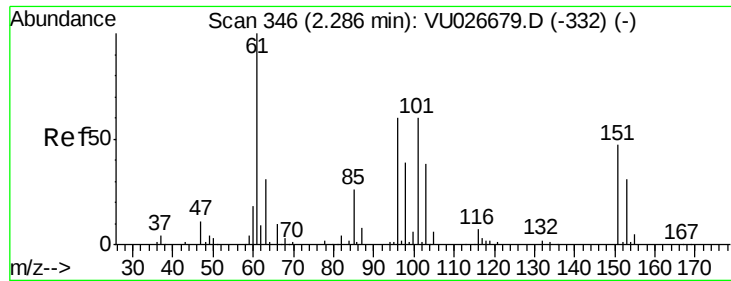
45 104.8 53.6 160.8



Abundance Ion 74.00 (73.70 to 74.70): VU0

Ion 45.00 (44.70 to 45.70): VU0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 5.52 ug/l

RT: 2.29 min Scan# 346

Delta R.T. 0.00 min

Lab File: VU026677.D

Acq: 11 Sep 2018 10:57

Instrument :

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ClientSampleId :

VSTDIC005

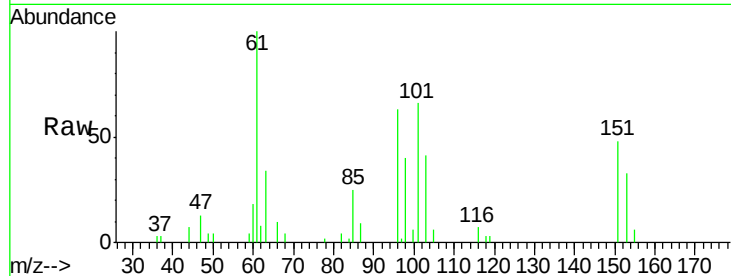
Tot Ion:101 Resp: 6604

Ion Ratio Lower Upper

101 100

85 41.3 34.6 52.0

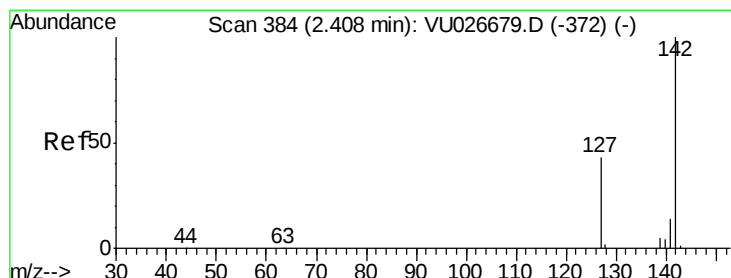
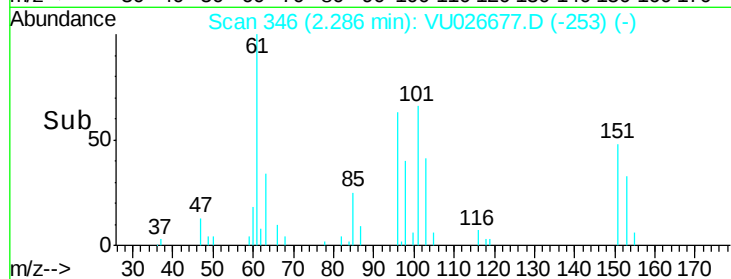
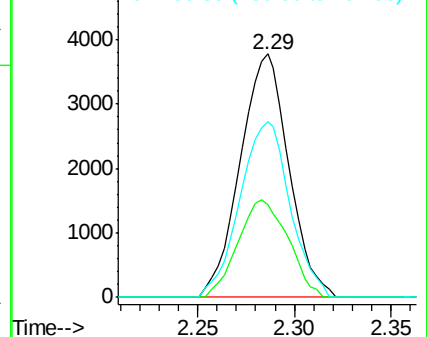
151 74.4 62.7 94.1



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VU0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 2.37 ug/l

RT: 2.41 min Scan# 384

Delta R.T. 0.00 min

Lab File: VU026677.D

Acq: 11 Sep 2018 10:57

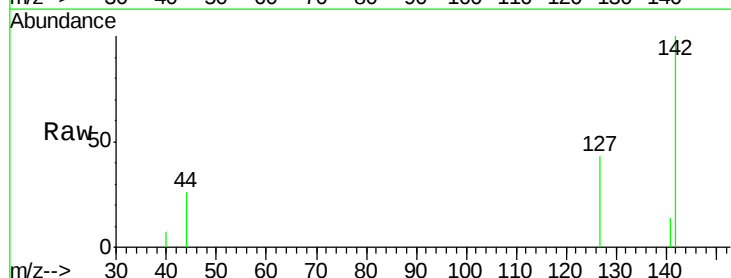
Tgt Ion:142 Resp: 2139

Ion Ratio Lower Upper

142 100

127 44.4 34.1 51.1

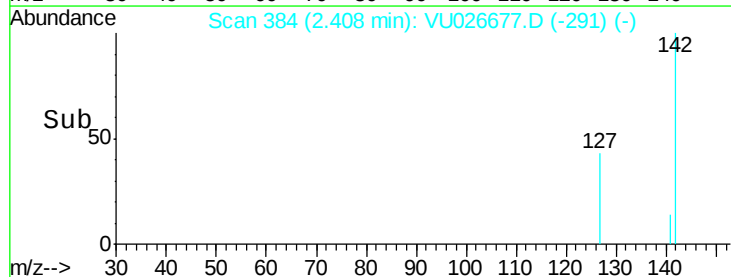
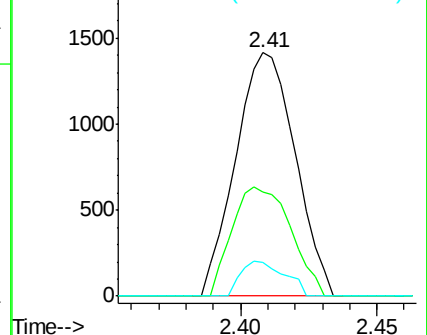
141 10.7 11.2 16.8#

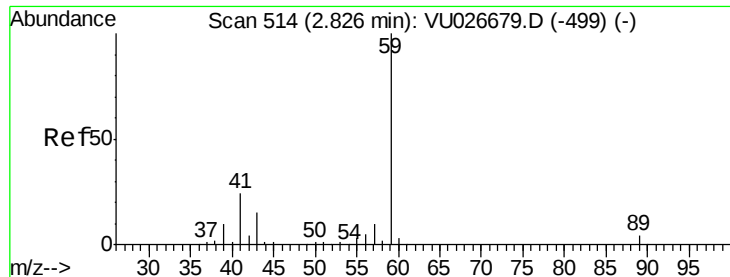


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



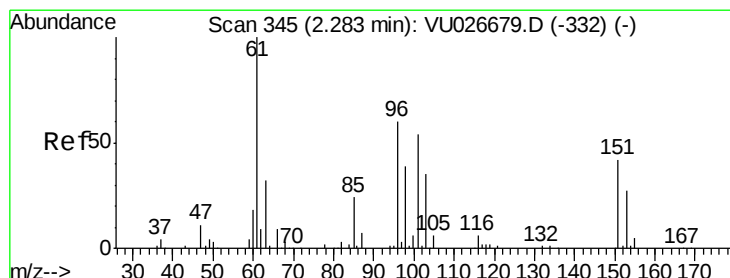
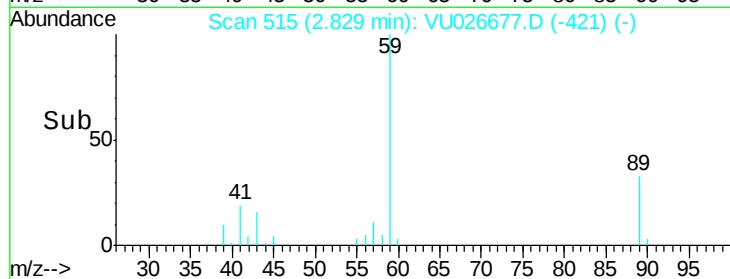
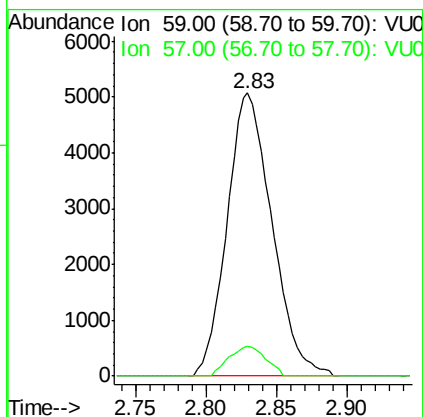
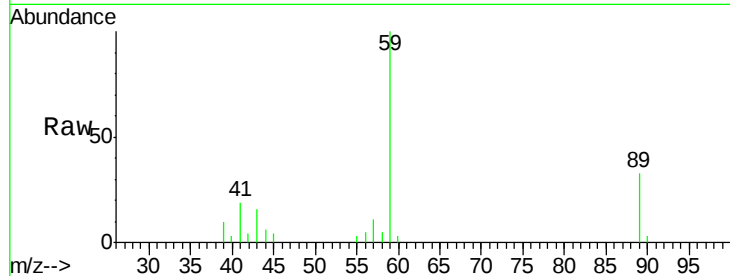


#11

Tert butyl alcohol
 Concen: 30.96 ug/l
 RT: 2.83 min Scan# 515
 Delta R.T. 0.00 min
 Lab File: VU026677.D
 Acq: 11 Sep 2018 10:57

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

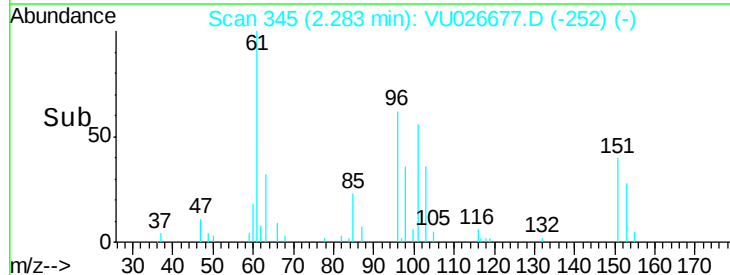
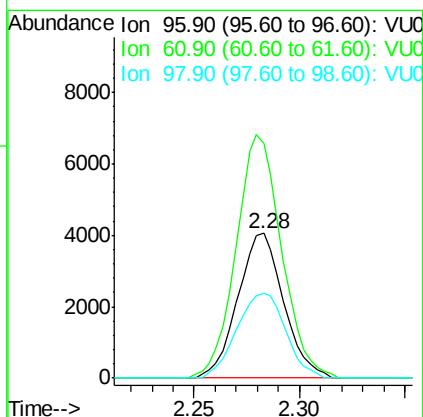
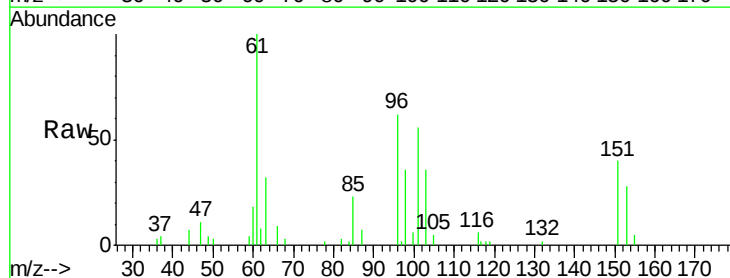
Tot Ion: 59 Resp: 11277
 Ion Ratio Lower Upper
 59 100
 57 8.6 8.0 12.0

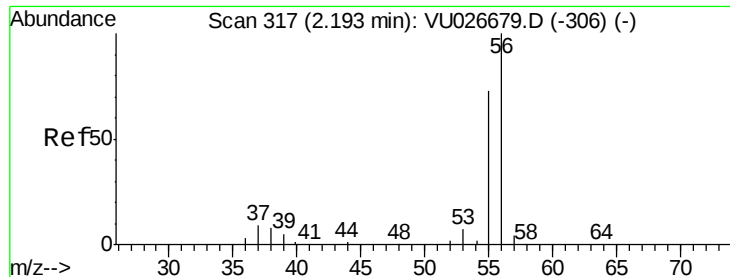


#12

1,1-Dichloroethene
 Concen: 5.41 ug/l
 RT: 2.28 min Scan# 345
 Delta R.T. 0.00 min
 Lab File: VU026677.D
 Acq: 11 Sep 2018 10:57

Tgt Ion: 96 Resp: 6123
 Ion Ratio Lower Upper
 96 100
 61 162.1 133.0 199.6
 98 59.1 51.3 76.9





#13

Acrolein

Concen: 30.79 ug/l

RT: 2.19 min Scan# 317

Delta R.T. 0.00 min

Lab File: VU026677.D

Acq: 11 Sep 2018 10:57

Instrument :

MSVOA_U

ClientSampleId :

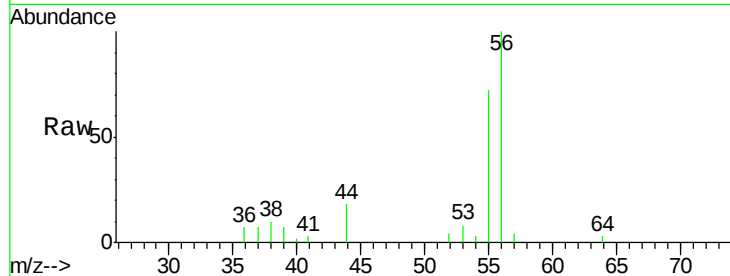
VSTDIC005

Tot Ion: 56 Resp: 7559

Ion Ratio Lower Upper

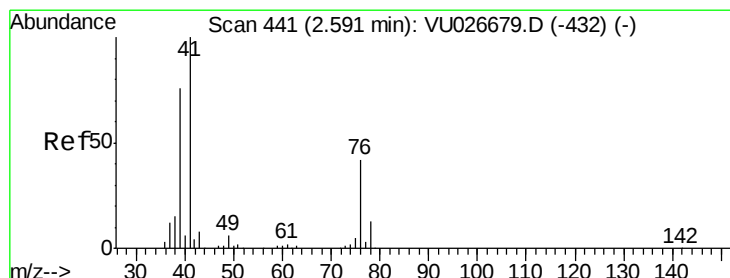
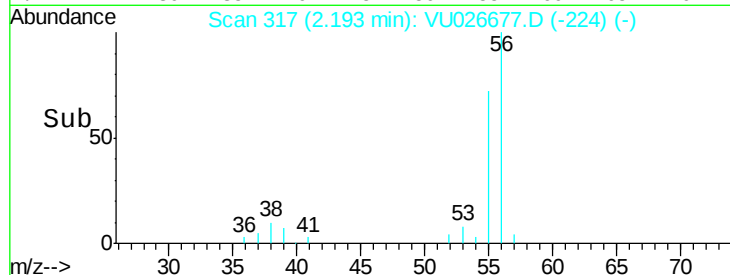
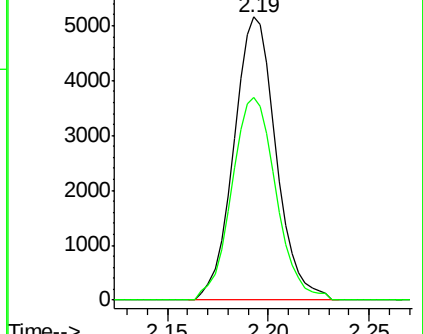
56 100

55 75.2 57.4 86.2



Abundance Ion 56.00 (55.70 to 56.70): VU0

Ion 55.00 (54.70 to 55.70): VU0



#14

Allyl chloride

Concen: 5.13 ug/l

RT: 2.59 min Scan# 441

Delta R.T. 0.00 min

Lab File: VU026677.D

Acq: 11 Sep 2018 10:57

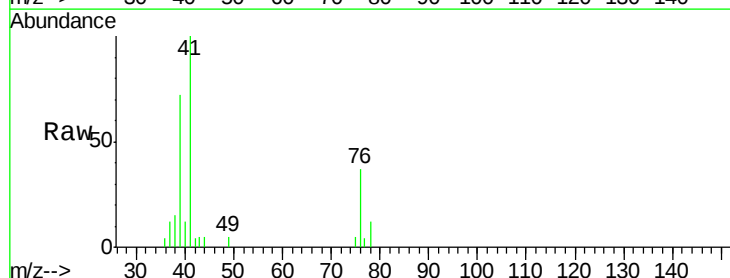
Tgt Ion: 41 Resp: 10455

Ion Ratio Lower Upper

41 100

39 68.3 56.9 85.3

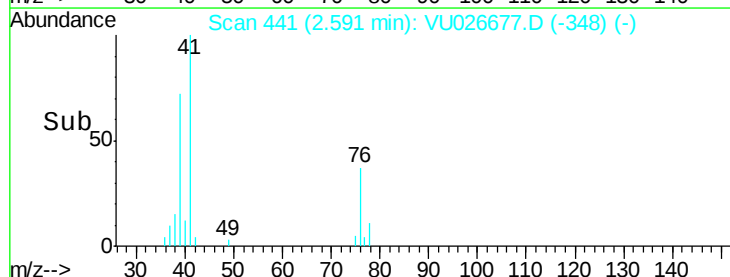
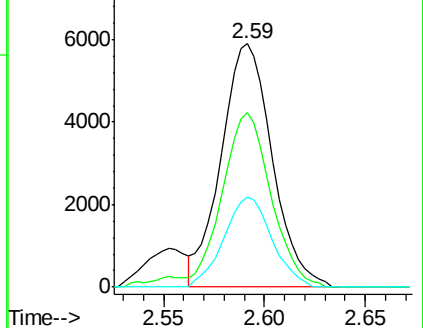
76 34.8 29.7 44.5

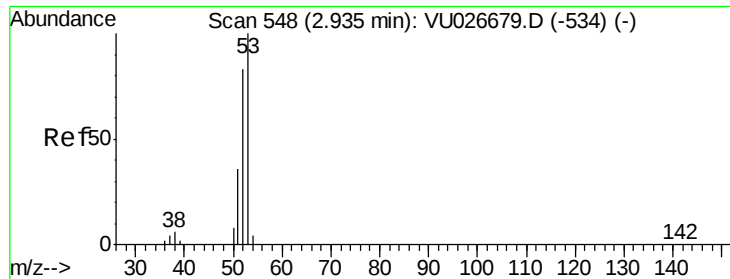


Abundance Ion 41.00 (40.70 to 41.70): VU0

Ion 39.00 (38.70 to 39.70): VU0

Ion 75.90 (75.60 to 76.60): VU0





#15

Acrylonitrile

Concen: 25.92 ug/l

RT: 2.94 min Scan# 548

Delta R.T. 0.00 min

Lab File: VU026677.D

Acq: 11 Sep 2018 10:57

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

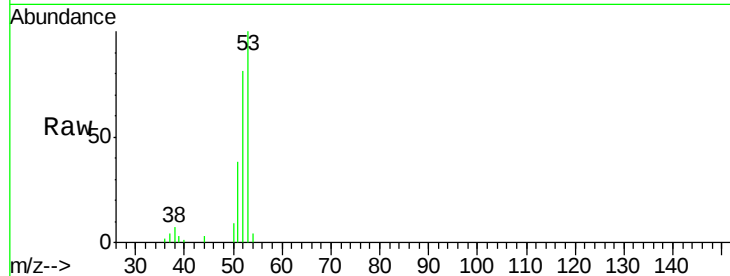
Tot Ion: 53 Resp: 20253

Ion Ratio Lower Upper

53 100

52 83.2 65.8 98.8

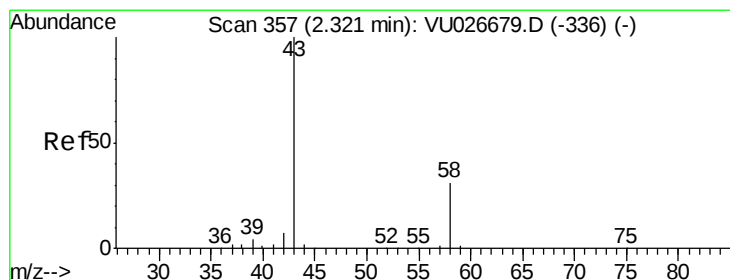
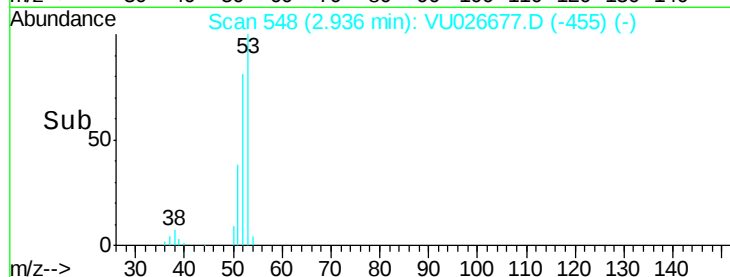
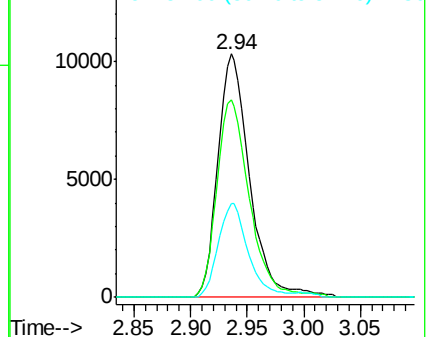
51 36.1 27.7 41.5



Abundance Ion 53.00 (52.70 to 53.70): VU0

Ion 52.00 (51.70 to 52.70): VU0

Ion 51.00 (50.70 to 51.70): VU0



#16

Acetone

Concen: 28.99 ug/l

RT: 2.32 min Scan# 357

Delta R.T. 0.00 min

Lab File: VU026677.D

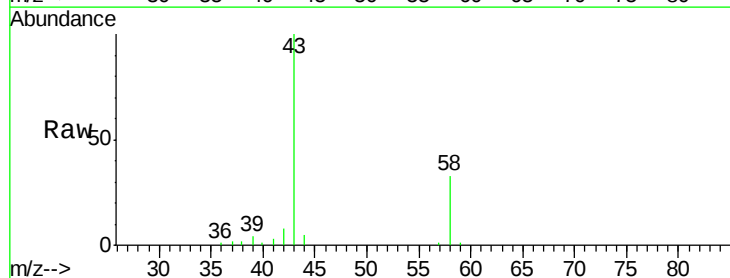
Acq: 11 Sep 2018 10:57

Tgt Ion: 43 Resp: 24529

Ion Ratio Lower Upper

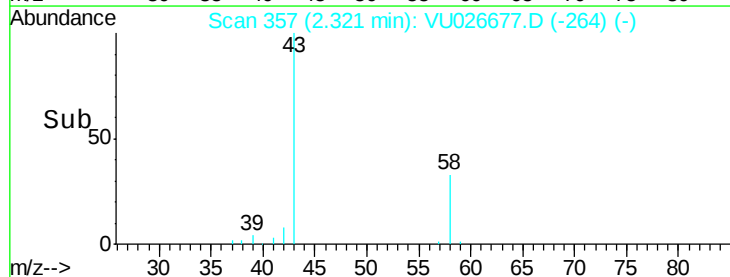
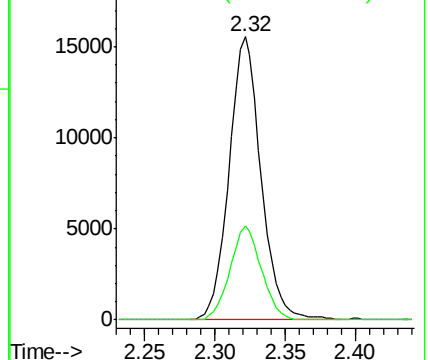
43 100

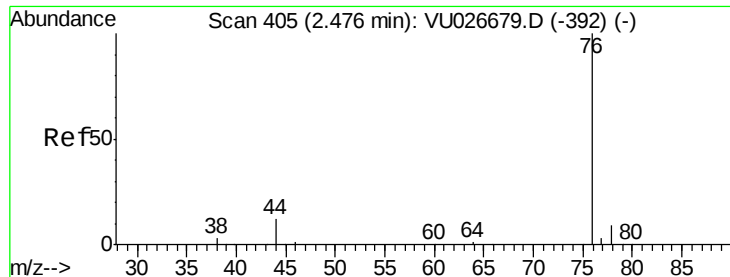
58 33.2 25.1 37.7



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

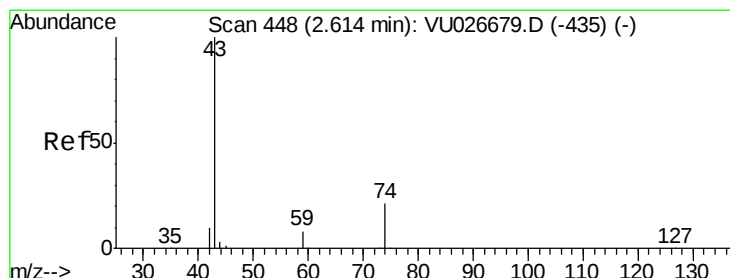
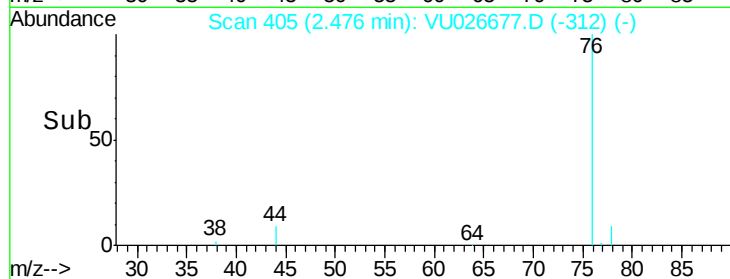
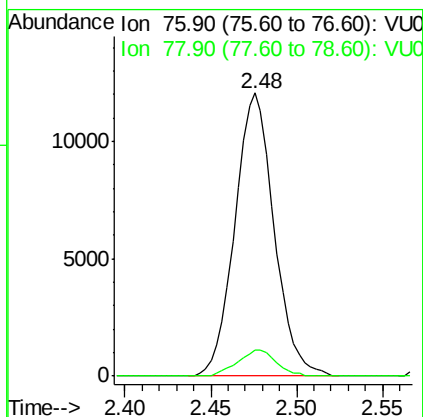
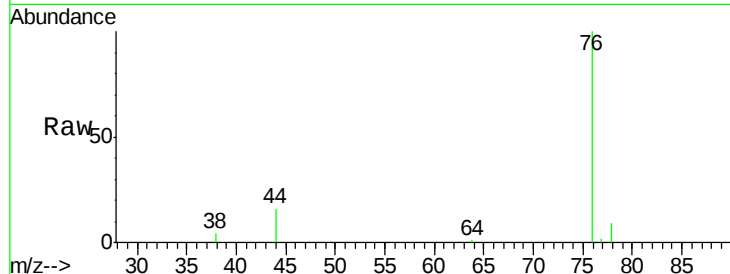




#17
Carbon Disulfide
Concen: 5.30 ug/l
RT: 2.48 min Scan# 405
Delta R.T. 0.00 min
Lab File: VU026677.D
Acq: 11 Sep 2018 10:57

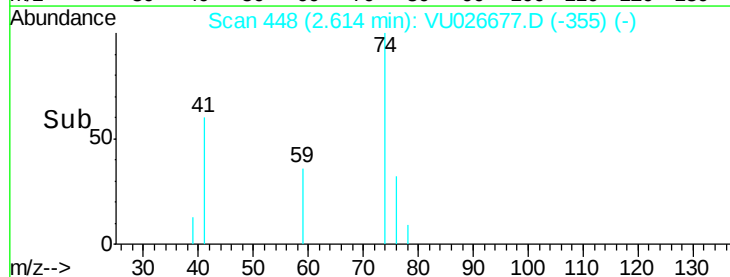
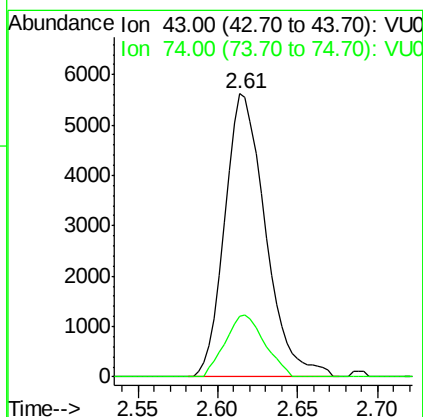
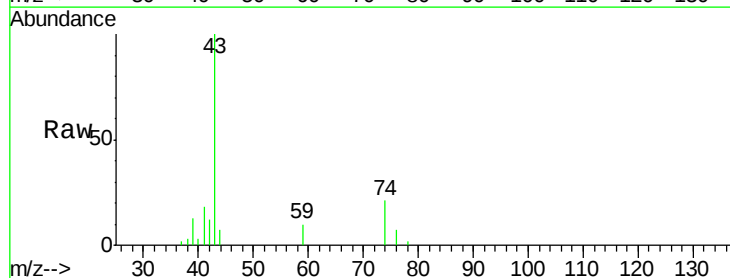
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

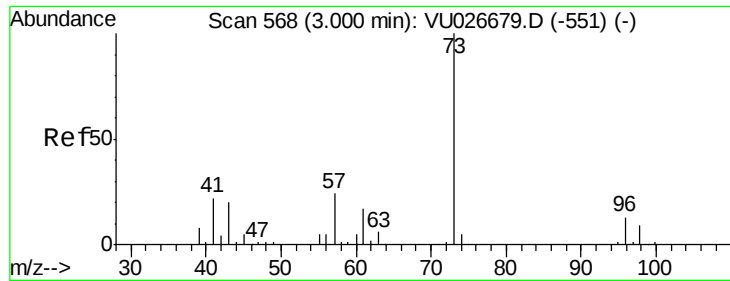
Tot Ion: 76 Resp: 19088
Ion Ratio Lower Upper
76 100
78 9.0 7.0 10.6



#18
Methyl Acetate
Concen: 5.36 ug/l
RT: 2.61 min Scan# 448
Delta R.T. 0.00 min
Lab File: VU026677.D
Acq: 11 Sep 2018 10:57

Tgt Ion: 43 Resp: 9786
Ion Ratio Lower Upper
43 100
74 20.9 17.7 26.5

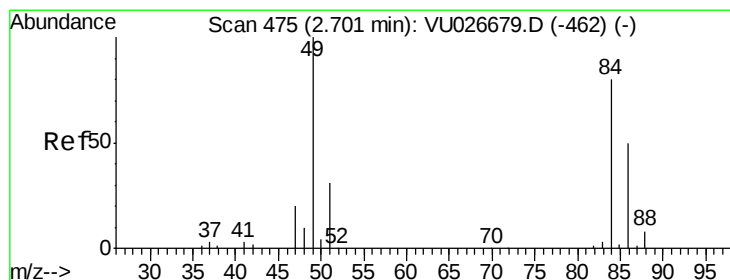
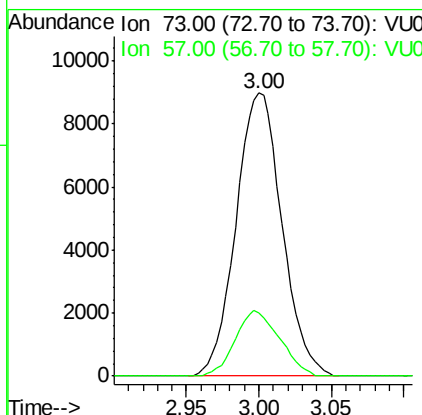
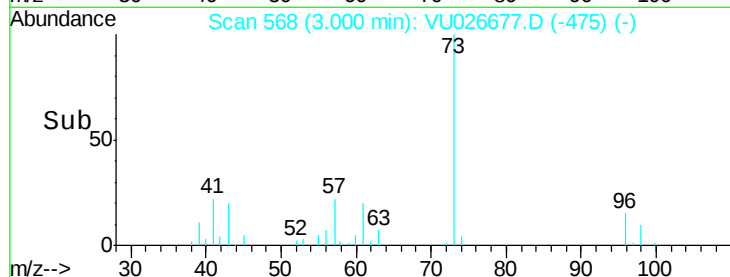
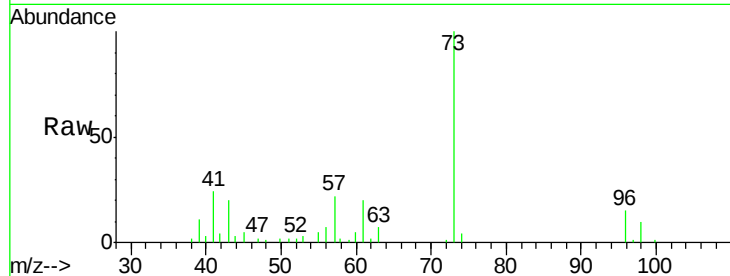




#19
Methvl tert-butvl Ether
Concen: 5.08 ug/l
RT: 3.00 min Scan# 568
Delta R.T. 0.00 min
Lab File: VU026677.D
Acq: 11 Sep 2018 10:57

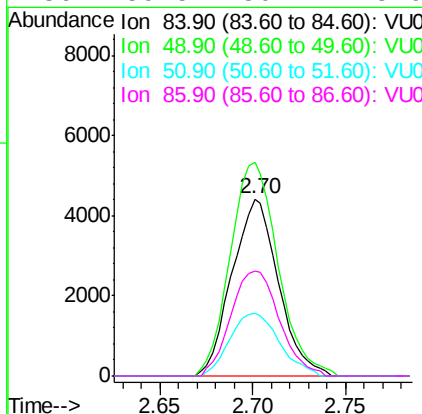
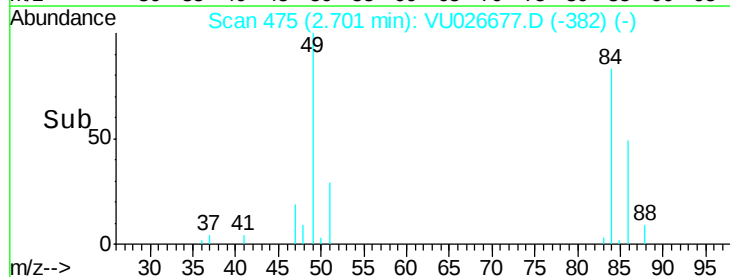
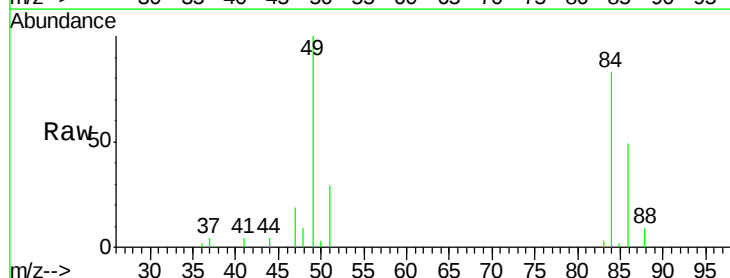
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

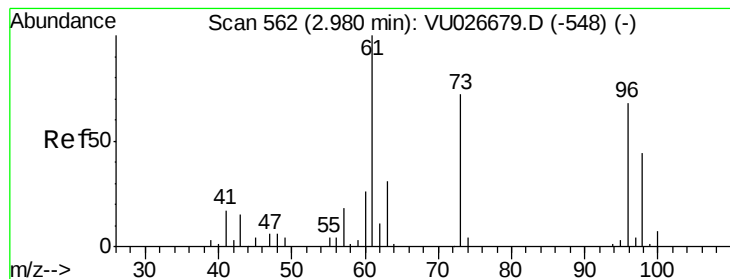
Tot Ion: 73 Resp: 19777
Ion Ratio Lower Upper
73 100
57 22.2 18.9 28.3



#20
Methylene Chloride
Concen: 5.58 ug/l
RT: 2.70 min Scan# 475
Delta R.T. 0.00 min
Lab File: VU026677.D
Acq: 11 Sep 2018 10:57

Tgt Ion: 84 Resp: 7665
Ion Ratio Lower Upper
84 100
49 120.7 100.6 151.0
51 35.1 30.9 46.3
86 59.5 50.4 75.6





#21

trans-1,2-Dichloroethene

Concen: 5.44 ug/l

RT: 2.98 min Scan# 563

Delta R.T. 0.00 min

Lab File: VU026677.D

Acq: 11 Sep 2018 10:57

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

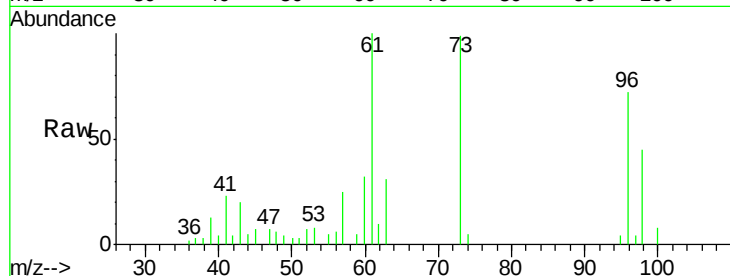
Tot Ion: 96 Resp: 6480

Ion Ratio Lower Upper

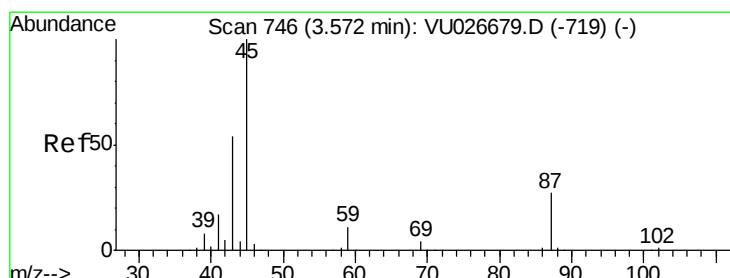
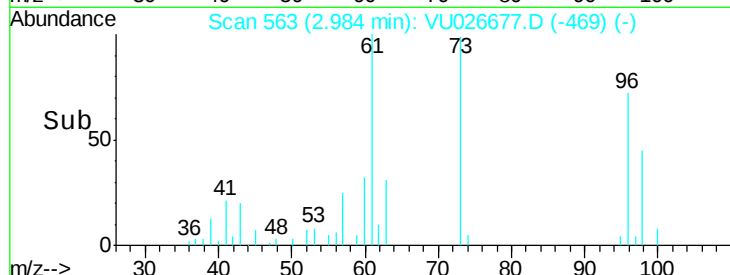
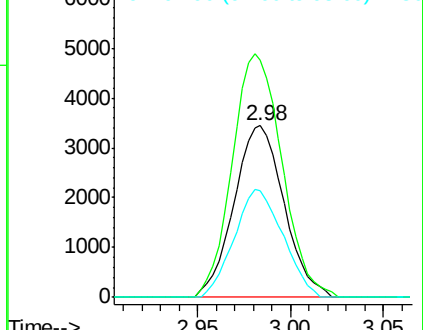
96 100

61 138.2 117.7 176.5

98 62.2 52.0 78.0



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: 5.17 ug/l

RT: 3.57 min Scan# 746

Delta R.T. 0.00 min

Lab File: VU026677.D

Acq: 11 Sep 2018 10:57

Tgt Ion: 45 Resp: 21982

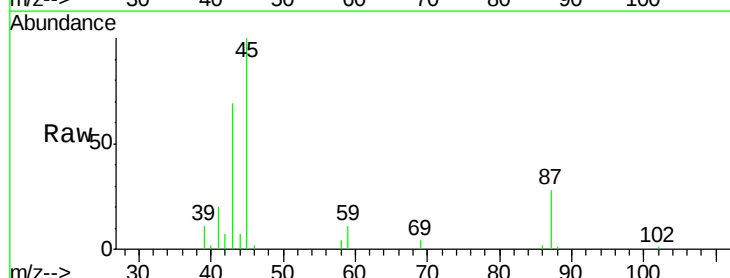
Ion Ratio Lower Upper

45 100

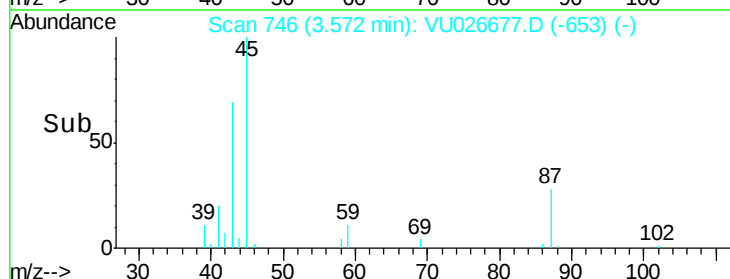
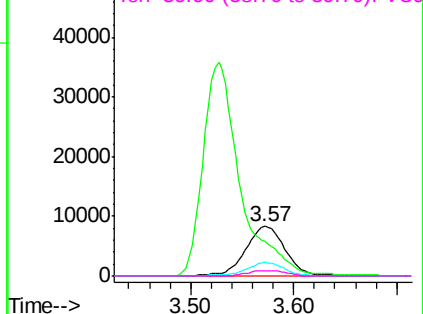
43 66.0 44.6 67.0

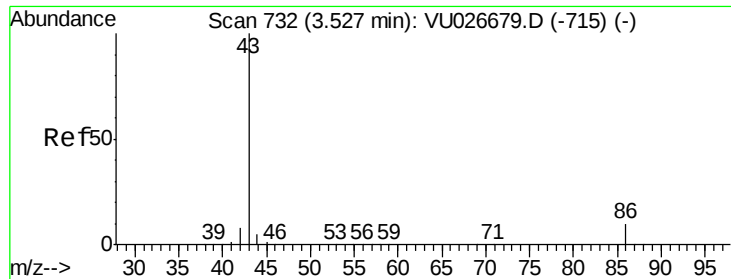
87 27.8 21.4 32.0

59 11.3 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: 24.93 ug/l

RT: 3.53 min Scan# 732

Delta R.T. 0.00 min

Lab File: VU026677.D

Acq: 11 Sep 2018 10:57

Instrument :

MSVOA_U

ClientSampleId :

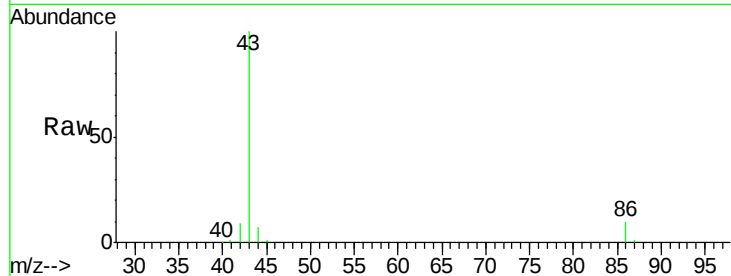
VSTDIC005

Tot Ion: 43 Resp: 90040

Ion Ratio Lower Upper

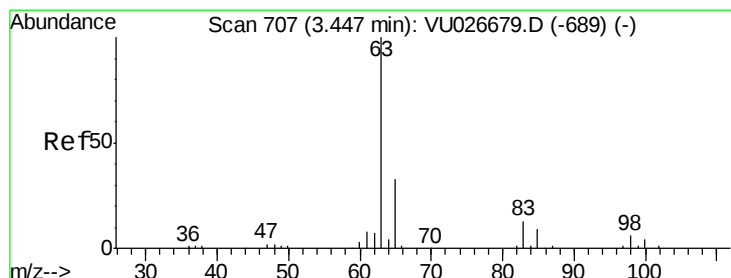
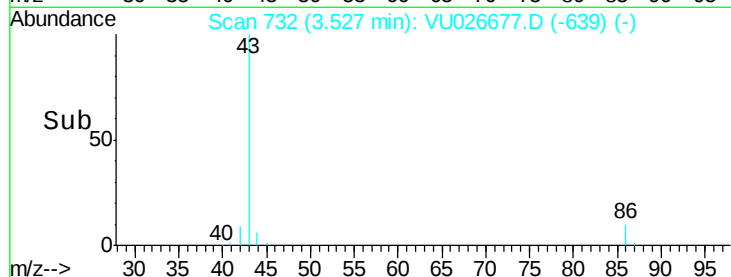
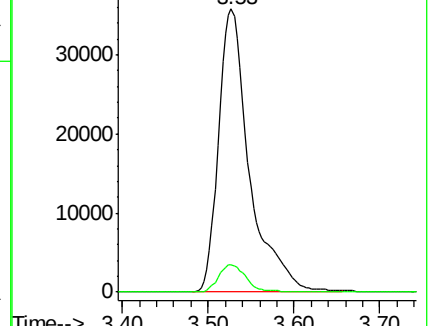
43 100

86 9.8 7.8 11.8



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 86.00 (85.70 to 86.70): VU0



#24

1,1-Dichloroethane

Concen: 5.59 ug/l

RT: 3.45 min Scan# 707

Delta R.T. 0.00 min

Lab File: VU026677.D

Acq: 11 Sep 2018 10:57

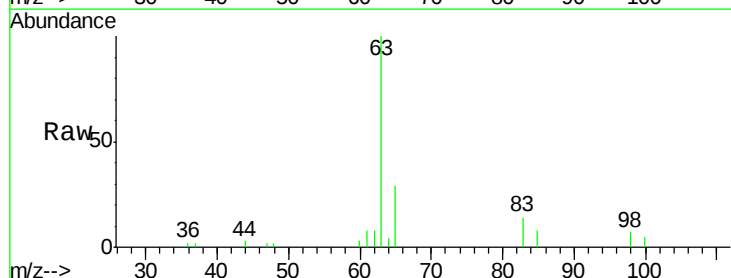
Tgt Ion: 63 Resp: 13397

Ion Ratio Lower Upper

63 100

98 6.5 3.1 9.4

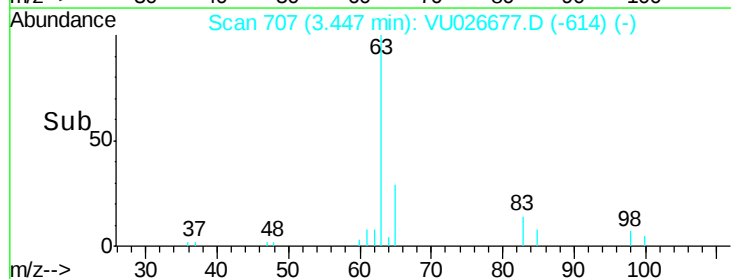
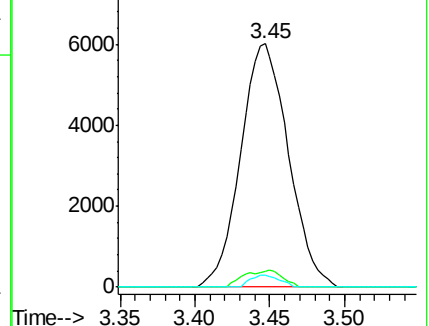
100 4.9 2.0 6.0

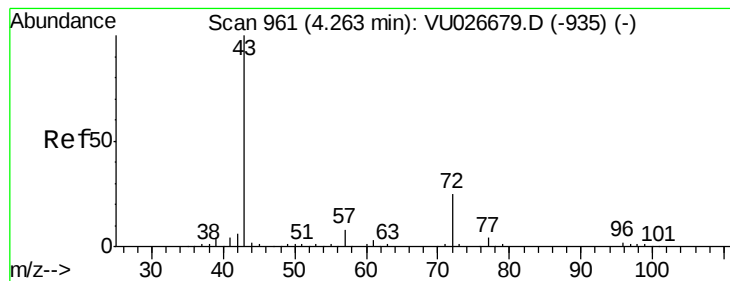


Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 97.90 (97.60 to 98.60): VU0

Ion 99.90 (99.60 to 100.60): VU0





#25

2-Butanone

Concen: 26.60 ug/l

RT: 4.27 min Scan# 962

Delta R.T. 0.00 min

Lab File: VU026677.D

Acq: 11 Sep 2018 10:57

Instrument :

MSVOA_U

ClientSampleId :

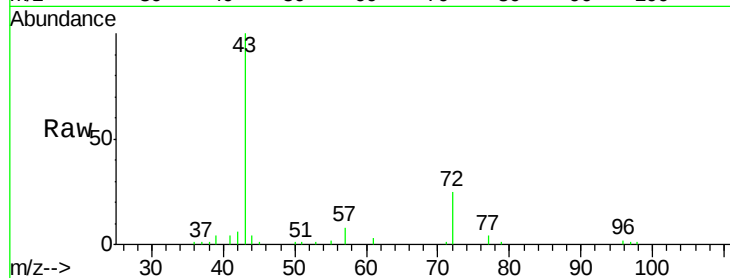
VSTDIC005

Tot Ion: 43 Resp: 30320

Ion Ratio Lower Upper

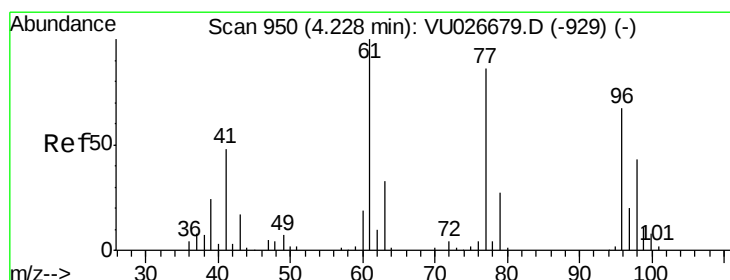
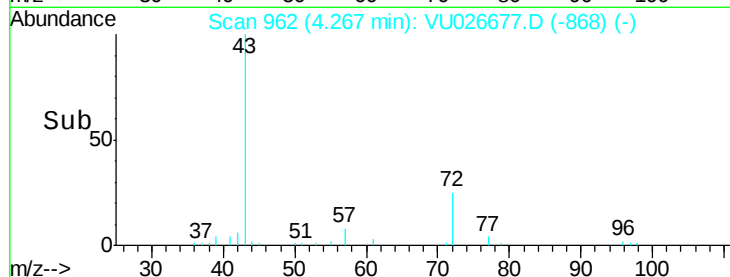
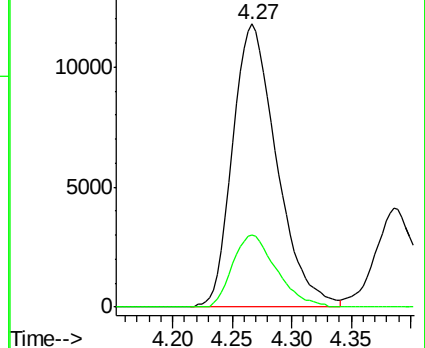
43 100

72 25.4 20.3 30.5



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 72.00 (71.70 to 72.70): VU0



#26

2,2-Dichloropropane

Concen: 5.24 ug/l

RT: 4.22 min Scan# 949

Delta R.T. -0.00 min

Lab File: VU026677.D

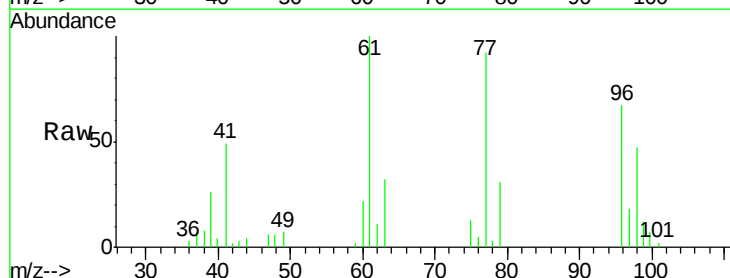
Acq: 11 Sep 2018 10:57

Tgt Ion: 77 Resp: 10321

Ion Ratio Lower Upper

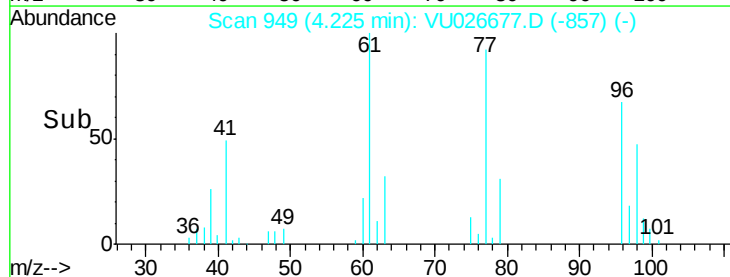
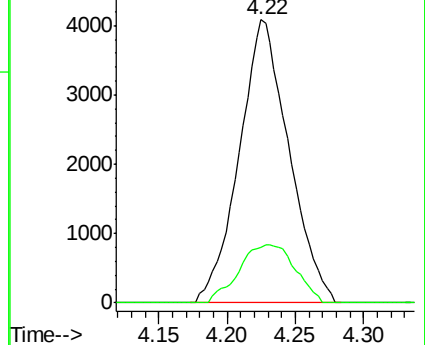
77 100

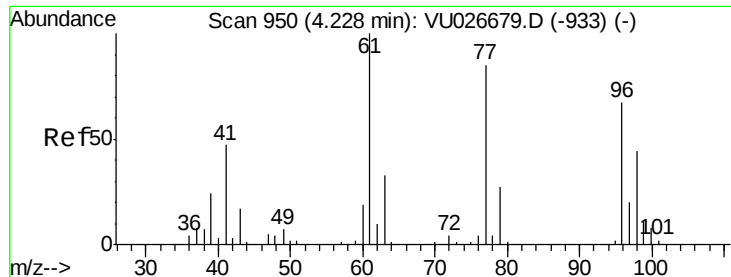
97 23.2 11.6 34.8



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: 5.38 ug/l

RT: 4.23 min Scan# 950

Delta R.T. 0.00 min

Lab File: VU026677.D

Acq: 11 Sep 2018 10:57

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

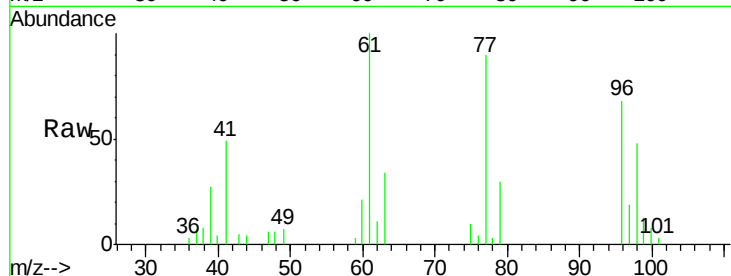
Tot Ion: 96 Resp: 7383

Ion Ratio Lower Upper

96 100

61 148.3 0.0 301.8

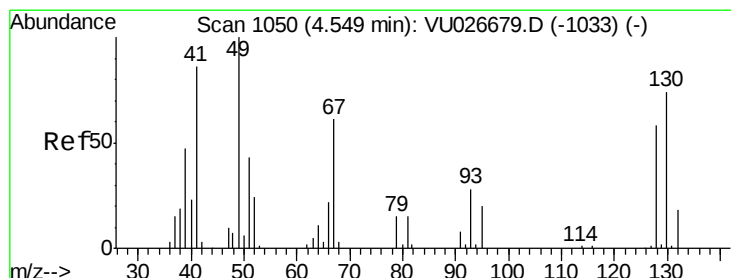
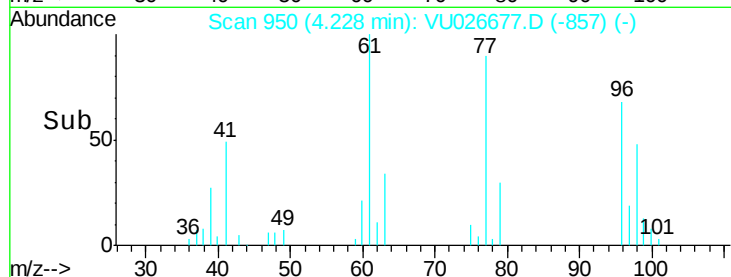
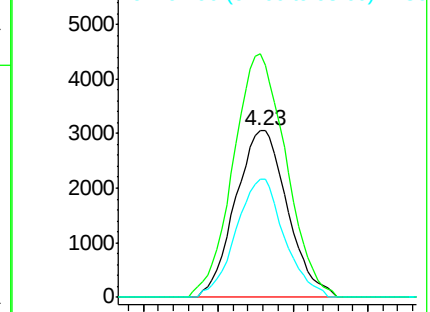
98 65.8 0.0 127.2



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: 5.57 ug/l

RT: 4.55 min Scan# 1049

Delta R.T. -0.00 min

Lab File: VU026677.D

Acq: 11 Sep 2018 10:57

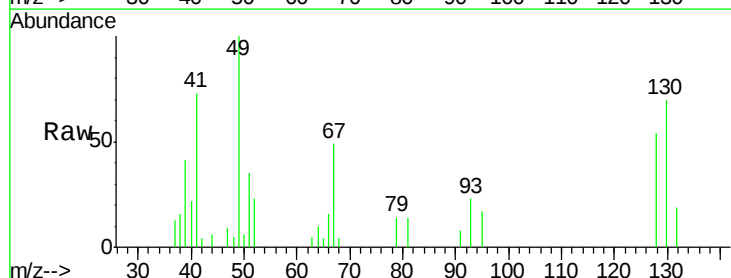
Tgt Ion: 49 Resp: 6392

Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.8

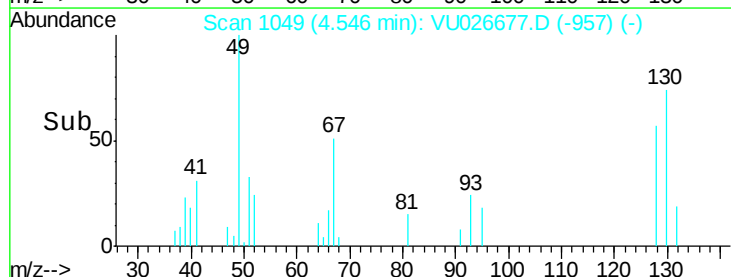
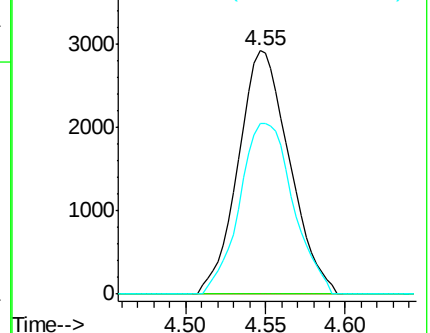
130 73.0 59.8 89.6

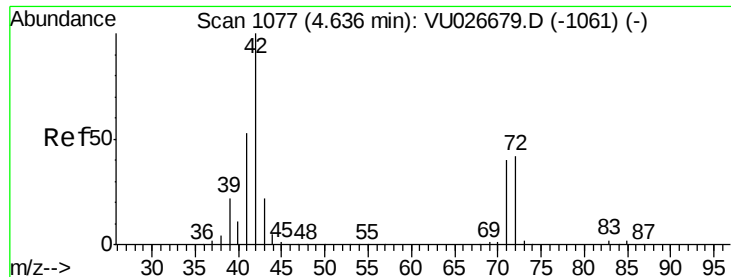


Abundance Ion 48.90 (48.60 to 49.60): VU0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

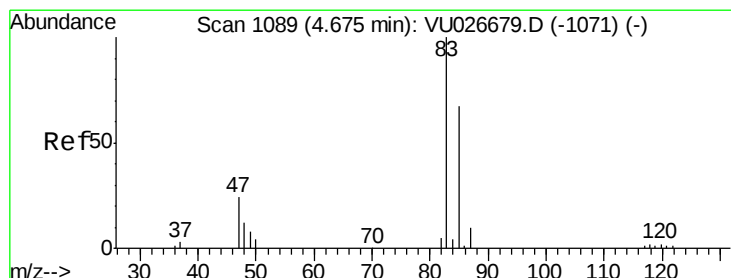
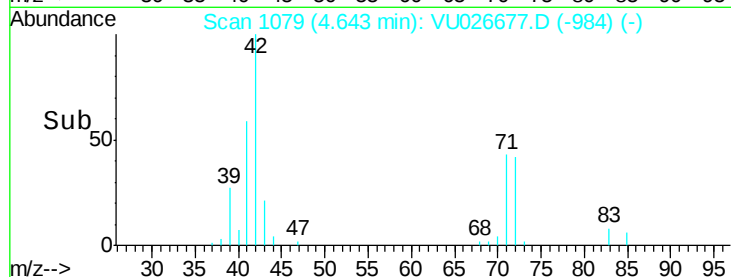
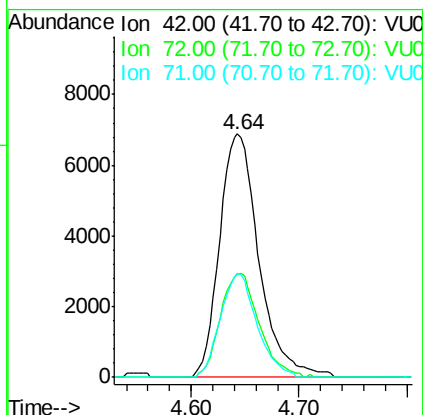
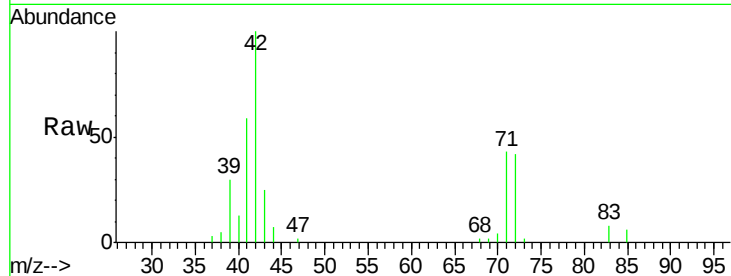




#29
Tetrahydrofuran
Concen: 25.46 ug/l
RT: 4.64 min Scan# 1079
Delta R.T. 0.01 min
Lab File: VU026677.D
Acq: 11 Sep 2018 10:57

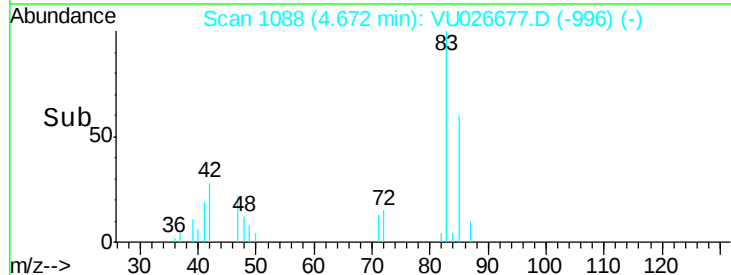
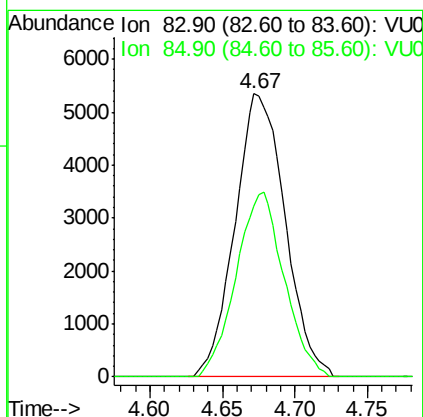
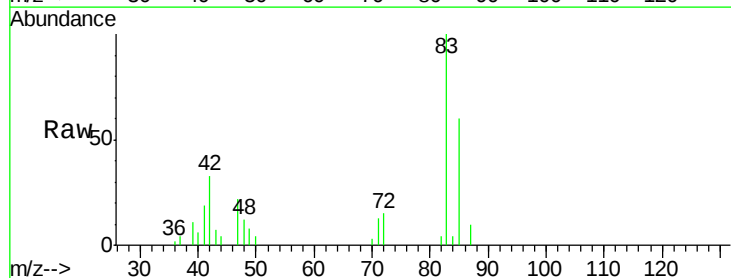
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

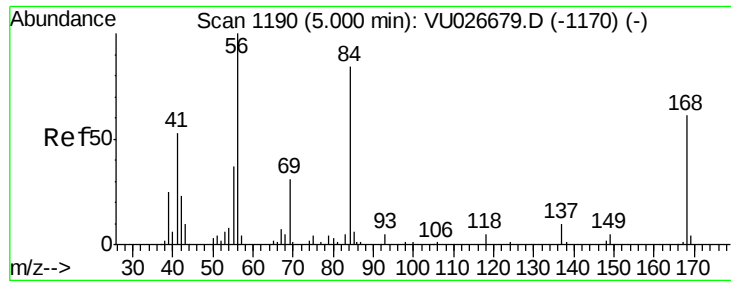
Tot Ion: 42 Resp: 17498
Ion Ratio Lower Upper
42 100
72 41.9 34.4 51.6
71 39.6 32.4 48.6



#30
Chloroform
Concen: 5.45 ug/l
RT: 4.67 min Scan# 1088
Delta R.T. -0.00 min
Lab File: VU026677.D
Acq: 11 Sep 2018 10:57

Tgt Ion: 83 Resp: 12850
Ion Ratio Lower Upper
83 100
85 60.4 53.3 79.9

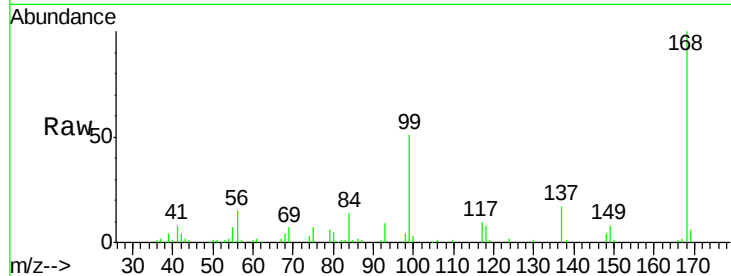




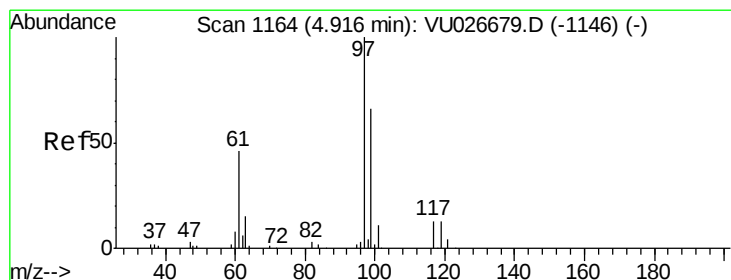
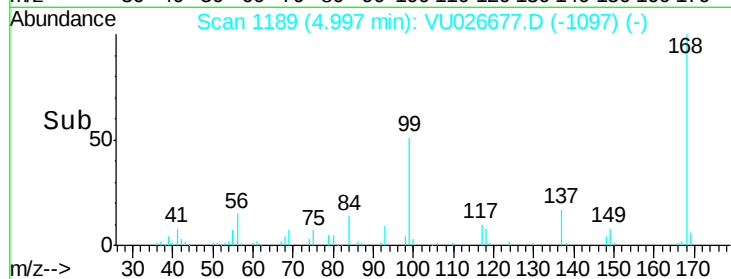
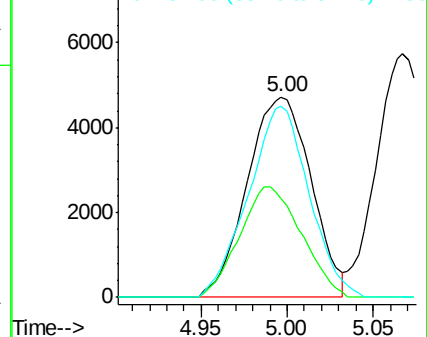
#31
Cyclohexane
Concen: 4.90 ug/l
RT: 5.00 min Scan# 1189
Delta R.T. -0.00 min
Lab File: VU026677.D
Acq: 11 Sep 2018 10:57

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

Tot Ion: 56 Resp: 12160
Ion Ratio Lower Upper
56 100
69 49.5 24.9 37.3#
84 95.6 66.6 100.0

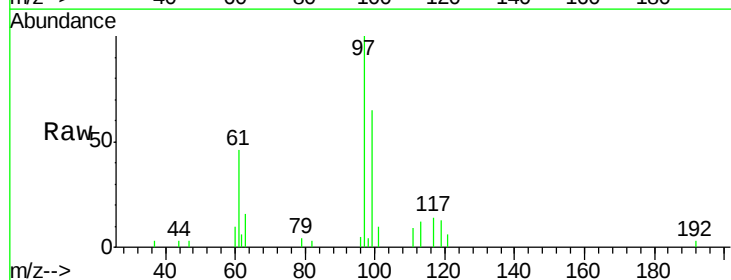


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

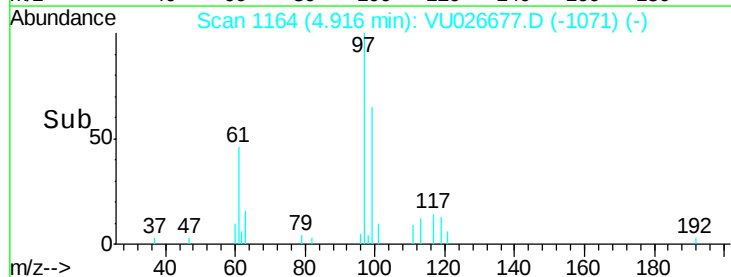
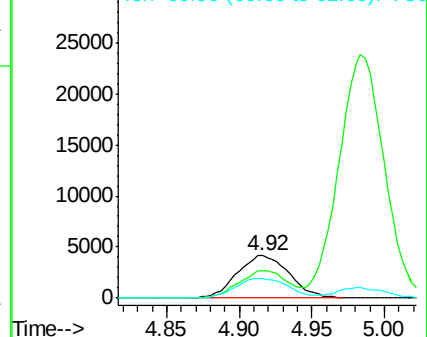


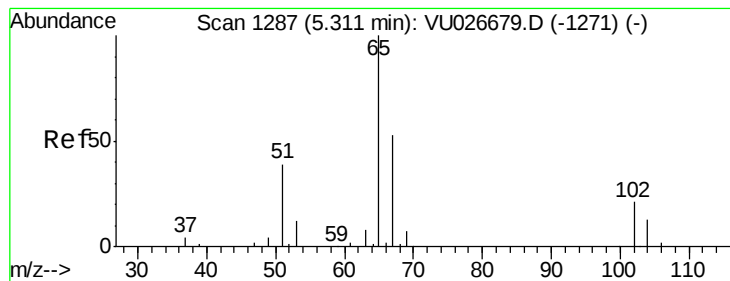
#32
1,1,1-Trichloroethane
Concen: 5.30 ug/l
RT: 4.92 min Scan# 1164
Delta R.T. 0.00 min
Lab File: VU026677.D
Acq: 11 Sep 2018 10:57

Tgt Ion: 97 Resp: 10340
Ion Ratio Lower Upper
97 100
99 59.8 52.2 78.2
61 46.3 36.8 55.2



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: 5.74 ug/l

RT: 5.31 min Scan# 1287

Delta R.T. 0.00 min

Lab File: VU026677.D

Acq: 11 Sep 2018 10:57

Instrument :

MSVOA_U

ClientSampleId :

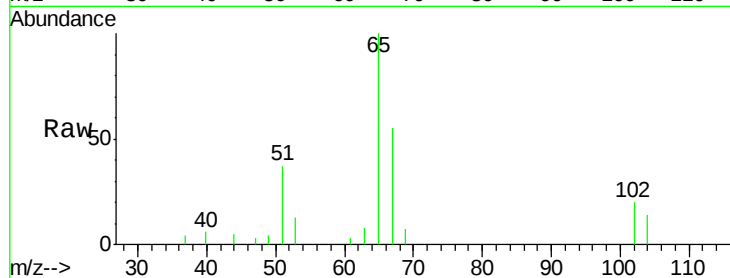
VSTDIC005

Tot Ion: 65 Resp: 8583

Ion Ratio Lower Upper

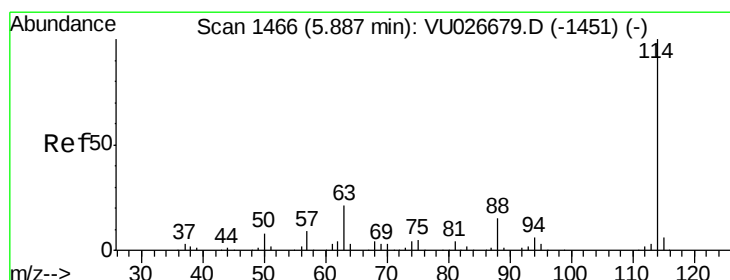
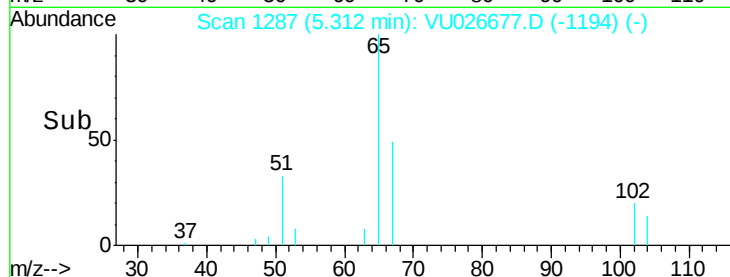
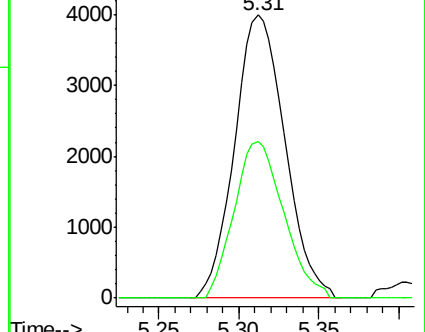
65 100

67 54.4 0.0 106.4



Abundance Ion 64.90 (64.60 to 65.60): VU026677.D (-1194) (-)

Ion 66.90 (66.60 to 67.60): VU026677.D (-1194) (-)



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 5.89 min Scan# 1466

Delta R.T. 0.00 min

Lab File: VU026677.D

Acq: 11 Sep 2018 10:57

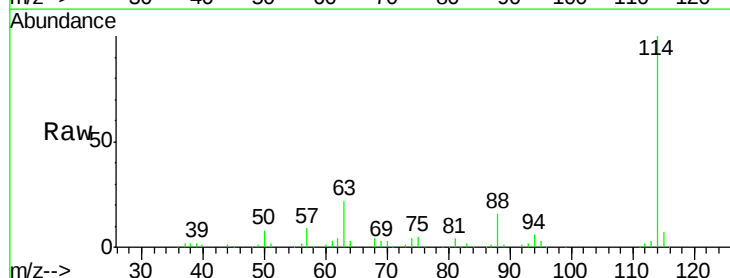
Tgt Ion: 114 Resp: 150033

Ion Ratio Lower Upper

114 100

63 21.7 0.0 41.4

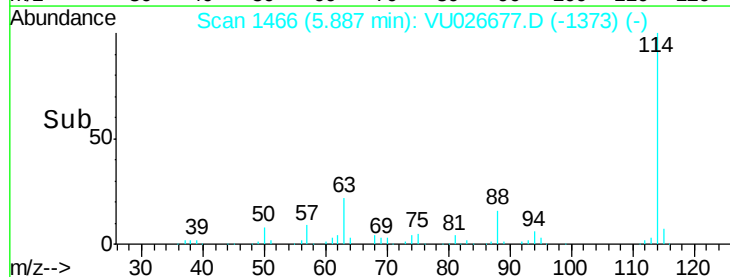
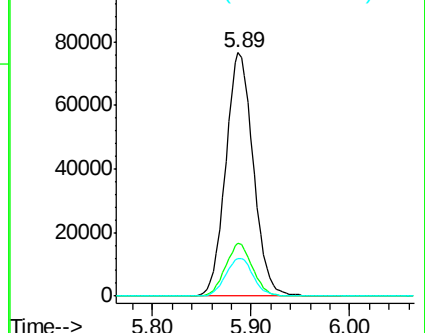
88 15.6 0.0 30.8

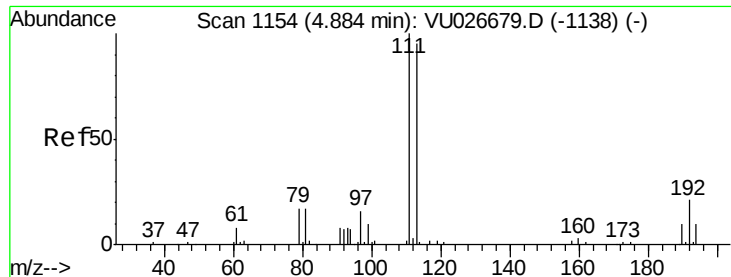


Abundance Ion 113.90 (113.60 to 114.60): VU026677.D (-1373) (-)

Ion 63.00 (62.70 to 63.70): VU026677.D (-1373) (-)

Ion 87.90 (87.60 to 88.60): VU026677.D (-1373) (-)

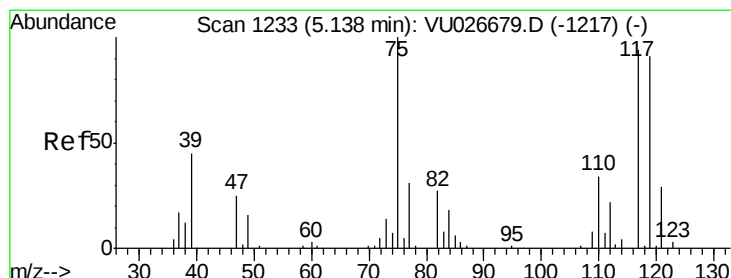
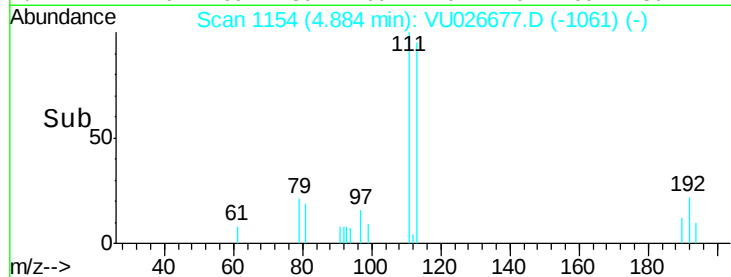
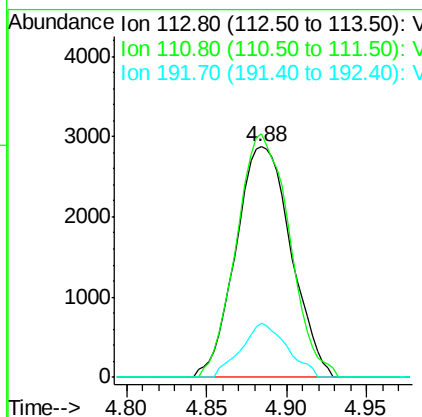
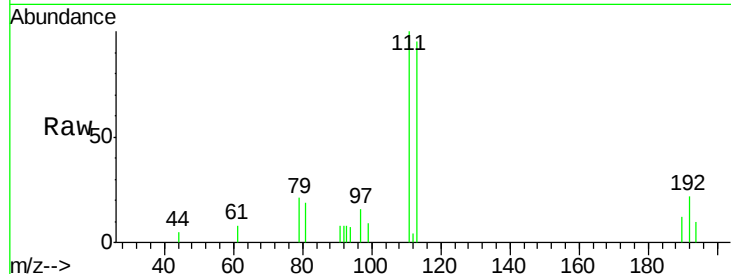




#35
 Dibromofluoromethane
 Concen: 5.56 ug/l
 RT: 4.88 min Scan# 1154
 Delta R.T. 0.00 min
 Lab File: VU026677.D
 Acq: 11 Sep 2018 10:57

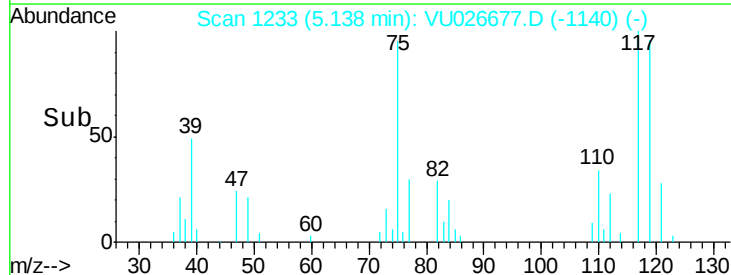
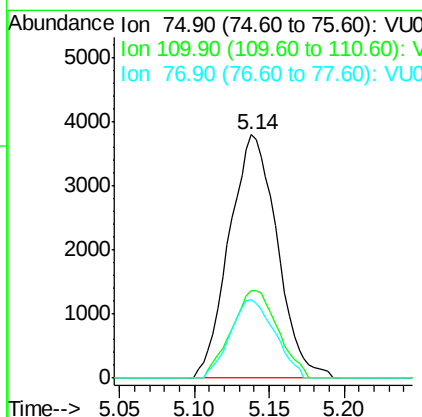
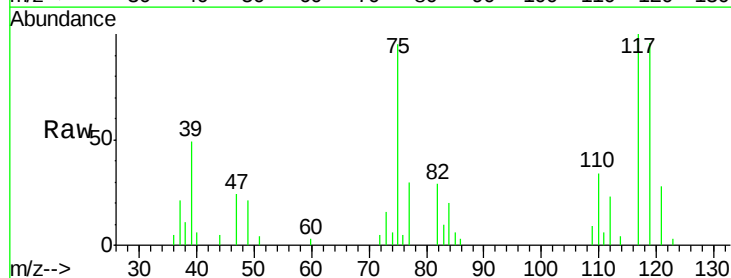
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

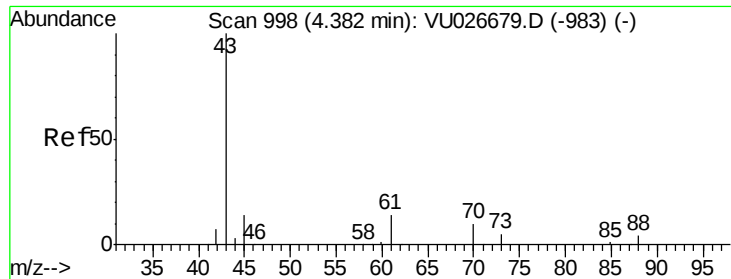
Tot Ion:113 Resp: 6808
 Ion Ratio Lower Upper
 113 100
 111 101.4 83.1 124.7
 192 19.5 17.4 26.2



#36
 1,1-Dichloropropene
 Concen: 5.02 ug/l
 RT: 5.14 min Scan# 1233
 Delta R.T. 0.00 min
 Lab File: VU026677.D
 Acq: 11 Sep 2018 10:57

Tgt Ion: 75 Resp: 8454
 Ion Ratio Lower Upper
 75 100
 110 34.9 17.3 51.9
 77 29.8 24.9 37.3

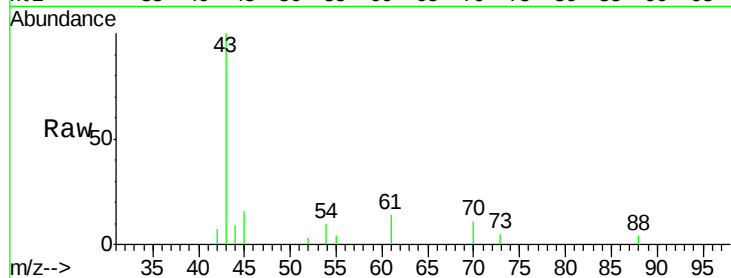




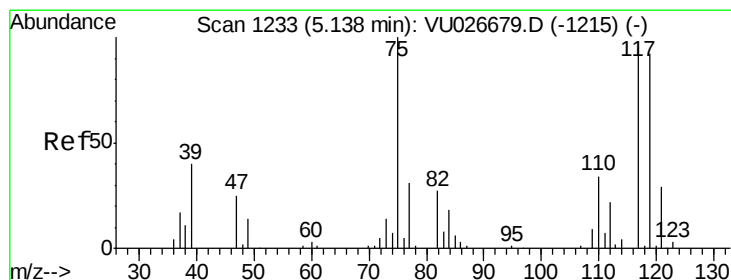
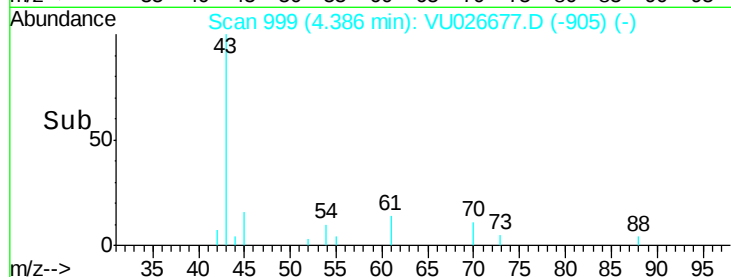
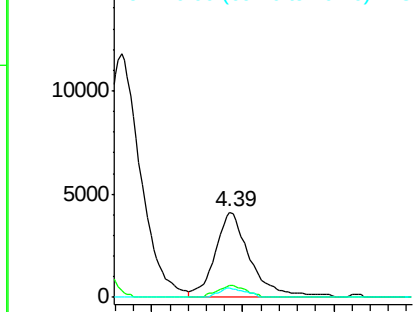
#37
Ethyl Acetate
Concen: 5.48 ug/l
RT: 4.39 min Scan# 999
Delta R.T. 0.00 min
Lab File: VU026677.D
Acq: 11 Sep 2018 10:57

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

Tot Ion: 43 Resp: 11109
Ion Ratio Lower Upper
43 100
61 11.2 11.5 17.3#
70 8.1 7.8 11.8

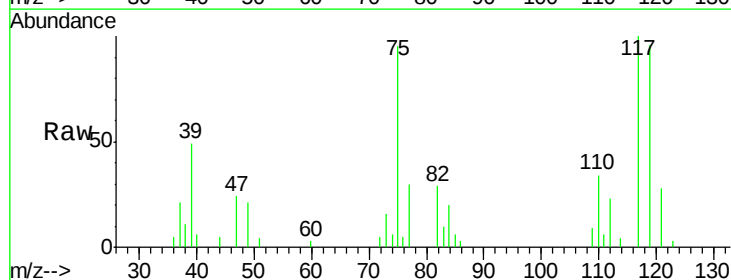


Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 60.90 (60.60 to 61.60): VU0
Ion 70.00 (69.70 to 70.70): VU0

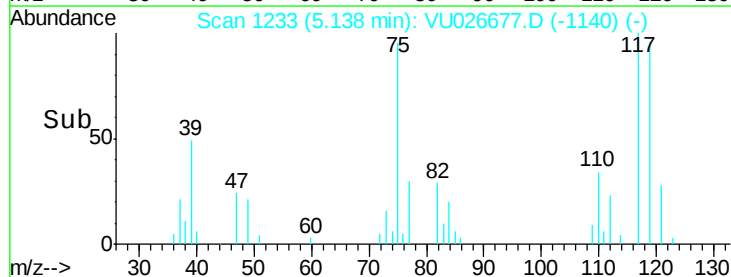
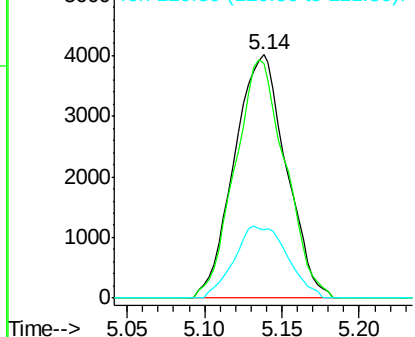


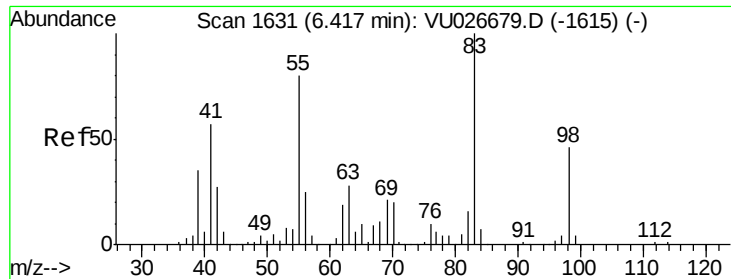
#38
Carbon Tetrachloride
Concen: 5.27 ug/l
RT: 5.14 min Scan# 1233
Delta R.T. 0.00 min
Lab File: VU026677.D
Acq: 11 Sep 2018 10:57

Tgt Ion: 117 Resp: 9377
Ion Ratio Lower Upper
117 100
119 96.2 77.8 116.8
121 28.2 25.0 37.4



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

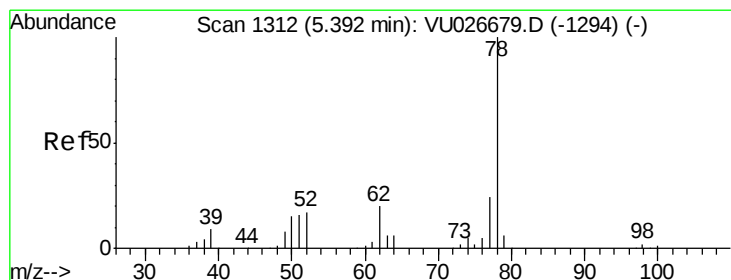
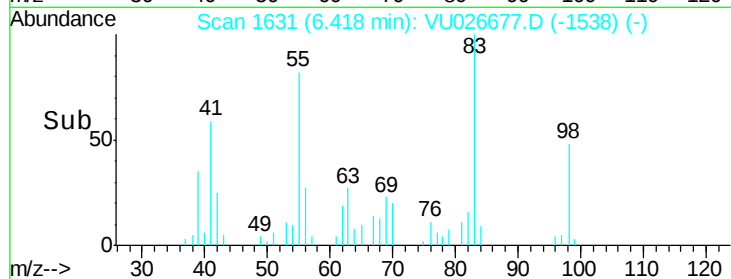
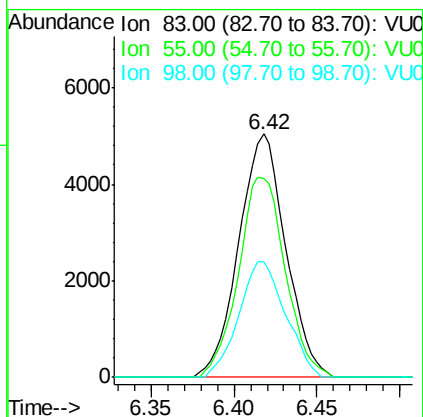
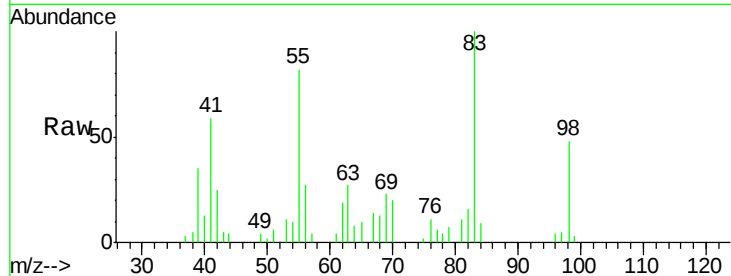




#39
Methvlcvclohexane
Concen: 4.97 ug/l
RT: 6.42 min Scan# 1631
Delta R.T. 0.00 min
Lab File: VU026677.D
Acq: 11 Sep 2018 10:57

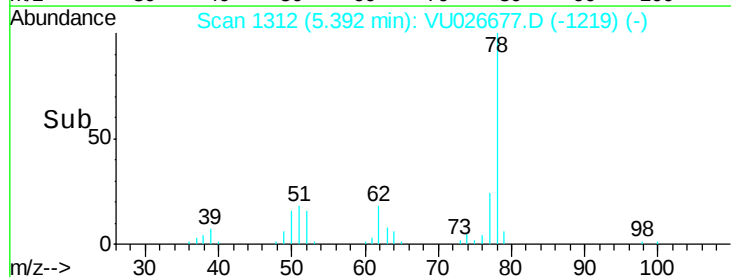
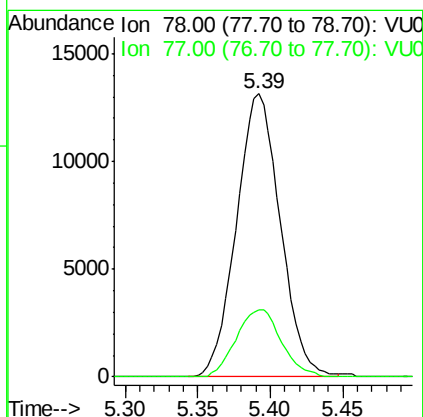
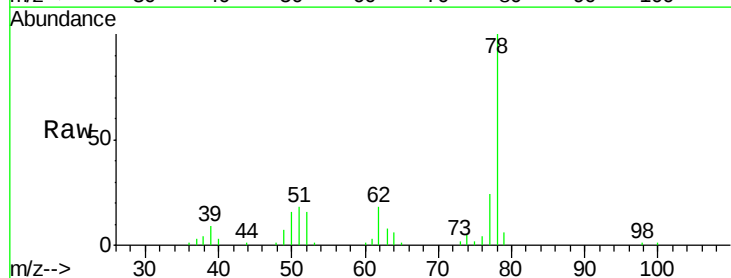
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

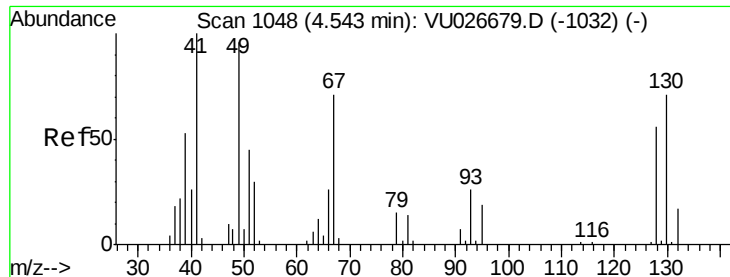
Tot Ion: 83 Resp: 9932
Ion Ratio Lower Upper
83 100
55 81.8 63.8 95.6
98 47.7 37.2 55.8



#40
Benzene
Concen: 5.28 ug/l
RT: 5.39 min Scan# 1312
Delta R.T. 0.00 min
Lab File: VU026677.D
Acq: 11 Sep 2018 10:57

Tgt Ion: 78 Resp: 27606
Ion Ratio Lower Upper
78 100
77 23.5 19.5 29.3

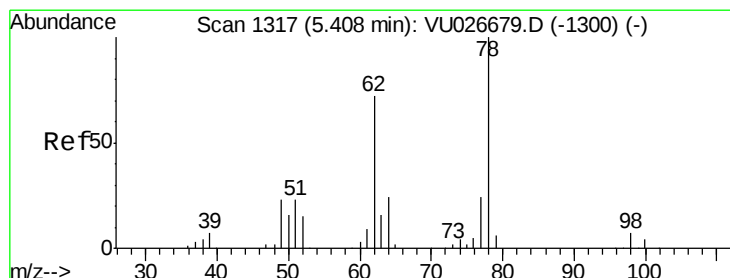
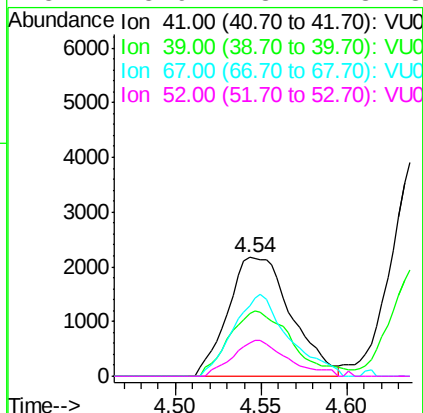
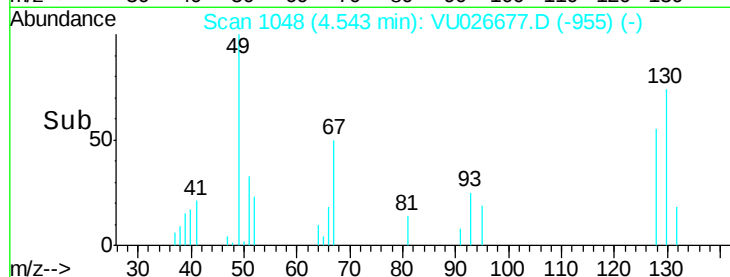
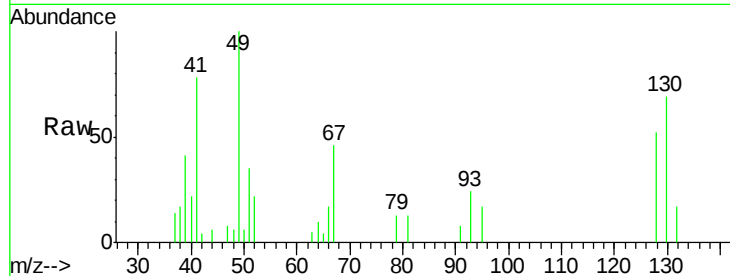




#41
Methacrylonitrile
Concen: 5.28 ug/l
RT: 4.54 min Scan# 1048
Delta R.T. 0.00 min
Lab File: VU026677.D
Acq: 11 Sep 2018 10:57

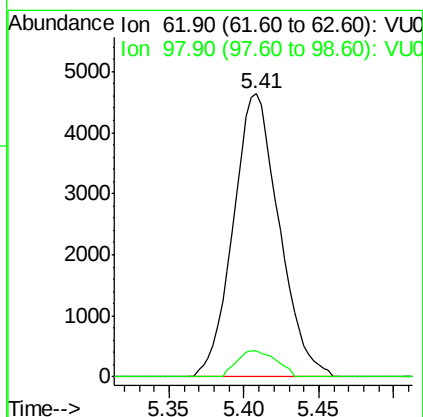
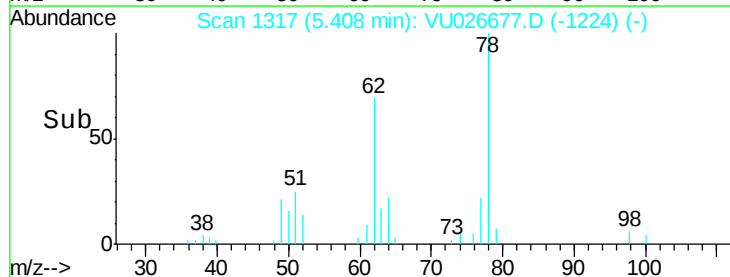
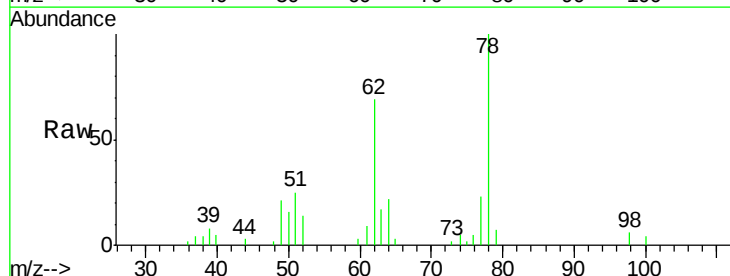
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

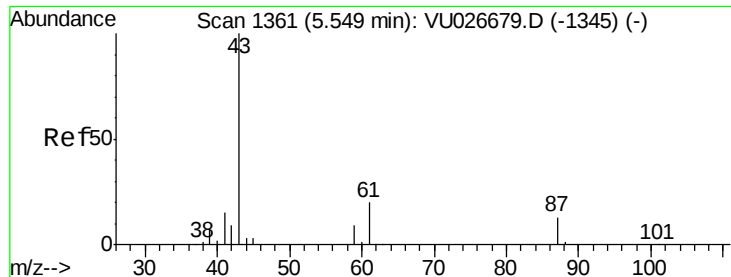
Tot Ion: 41 Resp: 5548
Ion Ratio Lower Upper
41 100
39 55.3 42.9 64.3
67 59.9 56.6 84.8
52 25.9 23.2 34.8



#42
1,2-Dichloroethane
Concen: 5.32 ug/l
RT: 5.41 min Scan# 1317
Delta R.T. 0.00 min
Lab File: VU026677.D
Acq: 11 Sep 2018 10:57

Tgt Ion: 62 Resp: 9922
Ion Ratio Lower Upper
62 100
98 7.9 0.0 17.8





#43

Isopropyl Acetate

Concen: 4.98 ug/l

RT: 5.55 min Scan# 1361

Delta R.T. 0.00 min

Lab File: VU026677.D

Acq: 11 Sep 2018 10:57

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

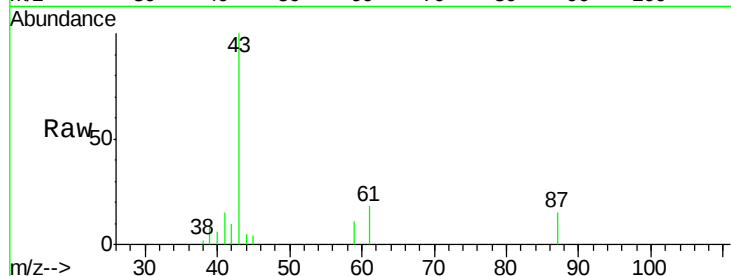
Tot Ion: 43 Resp: 15369

Ion Ratio Lower Upper

43 100

61 18.7 16.0 24.0

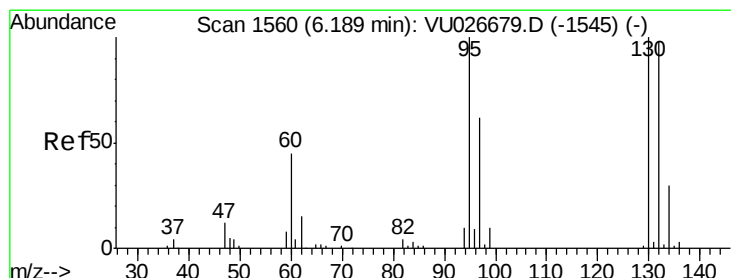
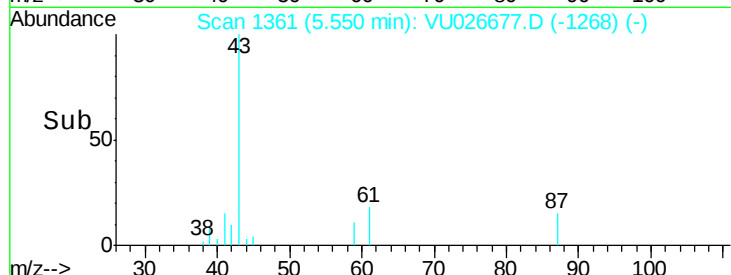
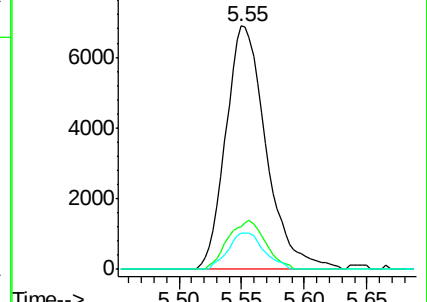
87 13.3 10.1 15.1



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: 5.28 ug/l

RT: 6.19 min Scan# 1559

Delta R.T. -0.00 min

Lab File: VU026677.D

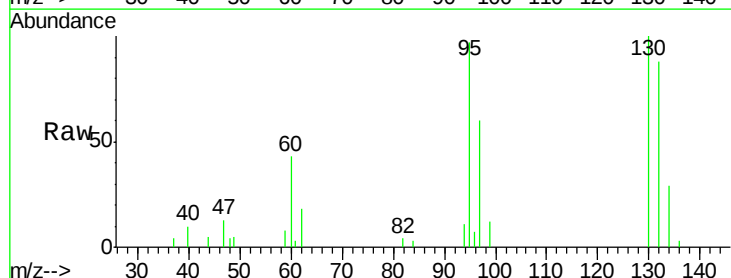
Acq: 11 Sep 2018 10:57

Tgt Ion:130 Resp: 6834

Ion Ratio Lower Upper

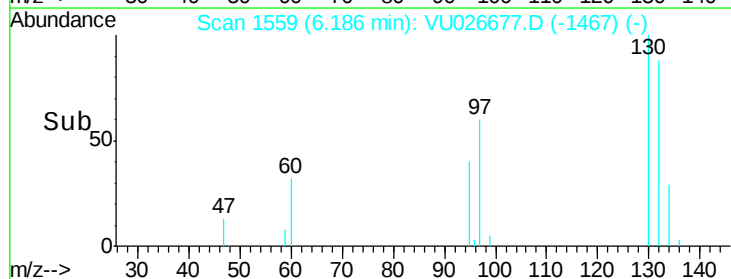
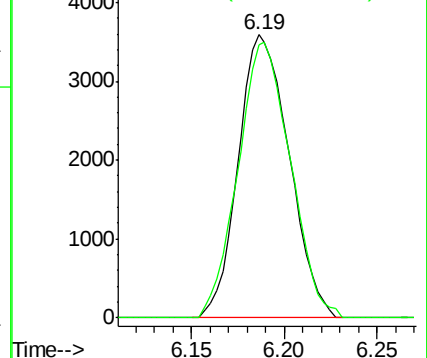
130 100

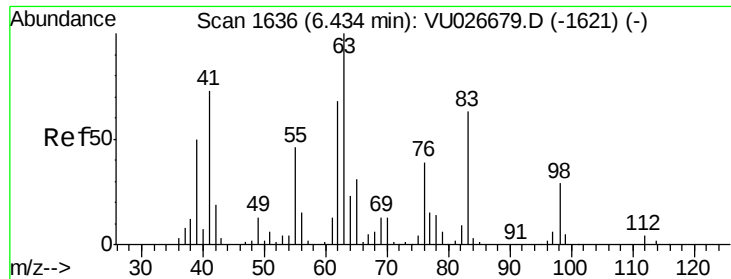
95 96.5 0.0 199.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VU0





#45

1,2-Dichloropropane

Concen: 5.36 ug/l

RT: 6.44 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VU026677.D

Acq: 11 Sep 2018 10:57

Instrument :

MSVOA_U

ClientSampleId :

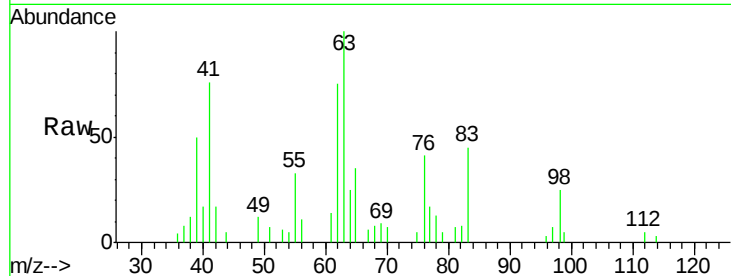
VSTDIC005

Tot Ion: 63 Resp: 7619

Ion Ratio Lower Upper

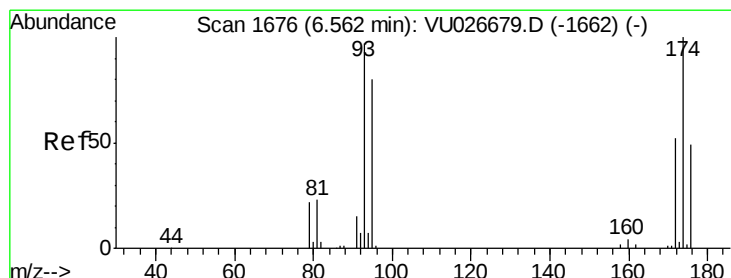
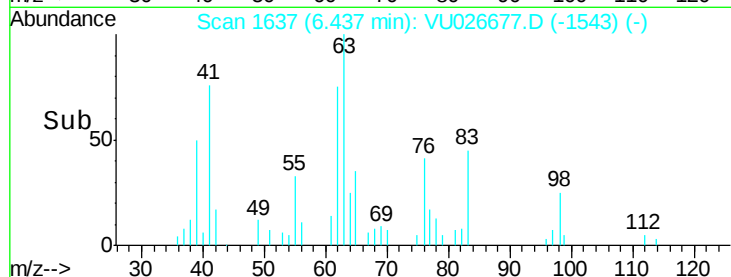
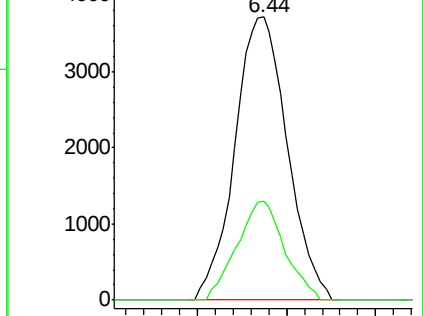
63 100

65 35.0 25.0 37.4



Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 64.90 (64.60 to 65.60): VU0



#46

Dibromomethane

Concen: 5.41 ug/l

RT: 6.57 min Scan# 1677

Delta R.T. 0.00 min

Lab File: VU026677.D

Acq: 11 Sep 2018 10:57

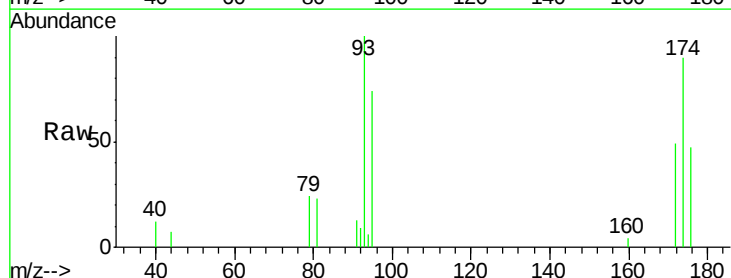
Tgt Ion: 93 Resp: 4966

Ion Ratio Lower Upper

93 100

95 79.5 65.4 98.2

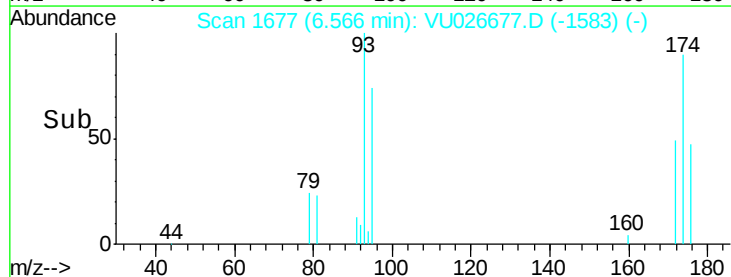
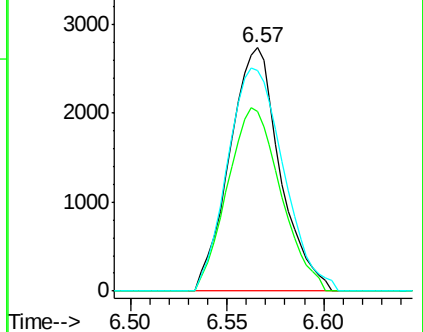
174 101.3 81.6 122.4

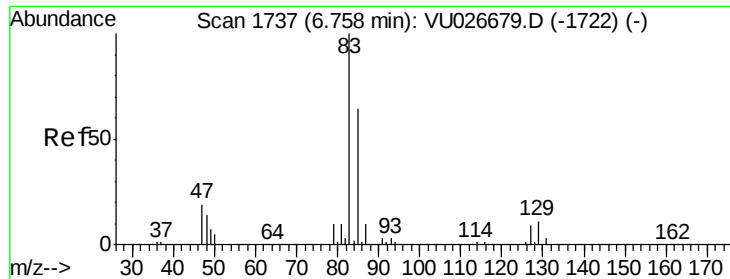


Abundance Ion 92.80 (92.50 to 93.50): VU0

Ion 94.80 (94.50 to 95.50): VU0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 5.22 ug/l

RT: 6.76 min Scan# 1737

Delta R.T. 0.00 min

Lab File: VU026677.D

Acq: 11 Sep 2018 10:57

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

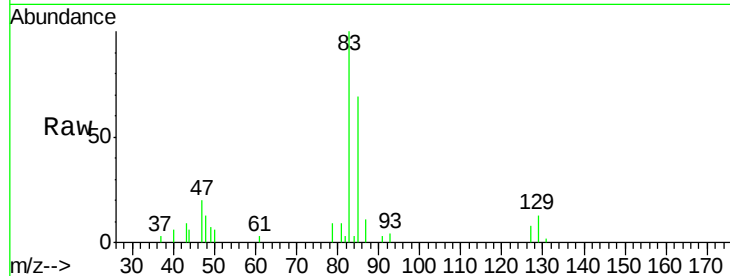
Tot Ion: 83 Resp: 9439

Ion Ratio Lower Upper

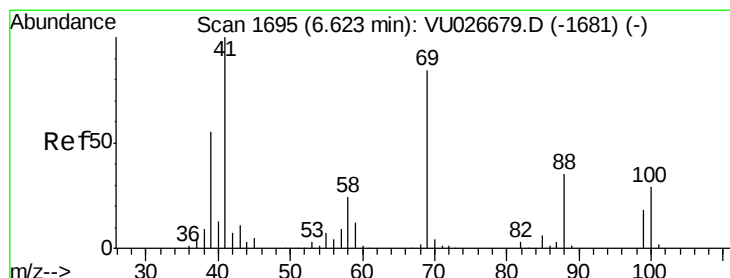
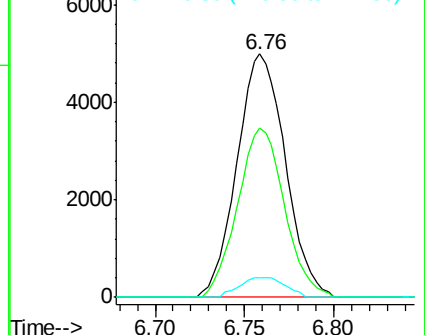
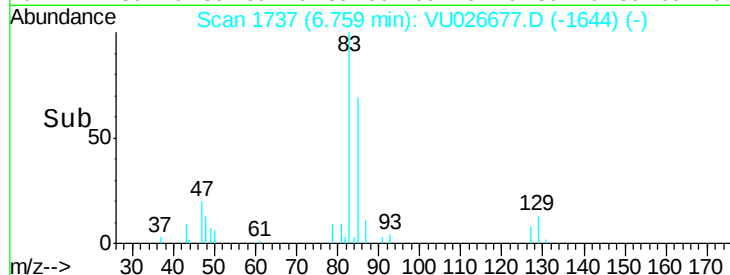
83 100

85 69.4 51.1 76.7

127 8.1 6.9 10.3



Abundance Ion 82.90 (82.60 to 83.60): VU026677.D (-1644) (-)



#48

Methyl methacrylate

Concen: 5.04 ug/l

RT: 6.63 min Scan# 1696

Delta R.T. 0.00 min

Lab File: VU026677.D

Acq: 11 Sep 2018 10:57

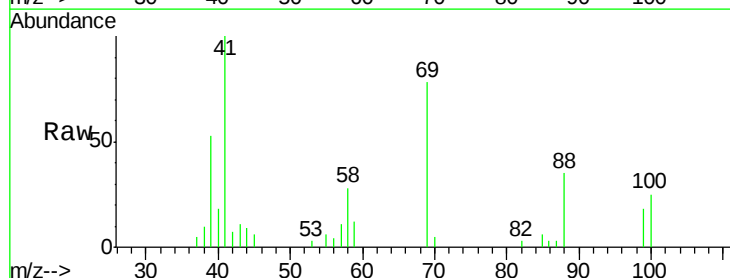
Tgt Ion: 41 Resp: 7673

Ion Ratio Lower Upper

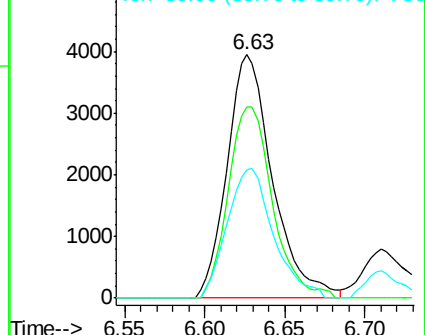
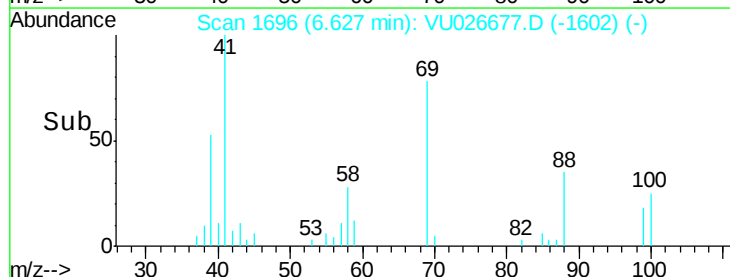
41 100

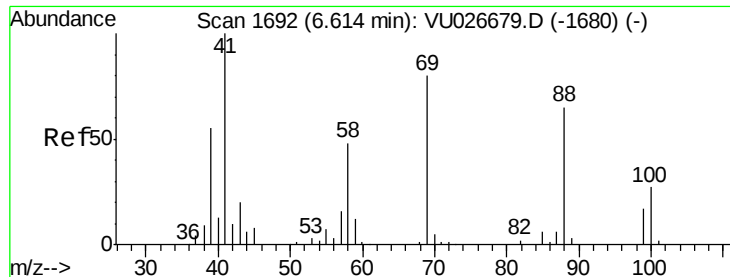
69 76.1 66.6 99.8

39 54.1 43.6 65.4



Abundance Ion 41.00 (40.70 to 41.70): VU026677.D (-1602) (-)

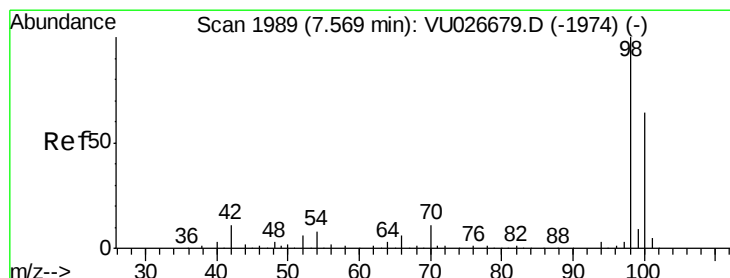
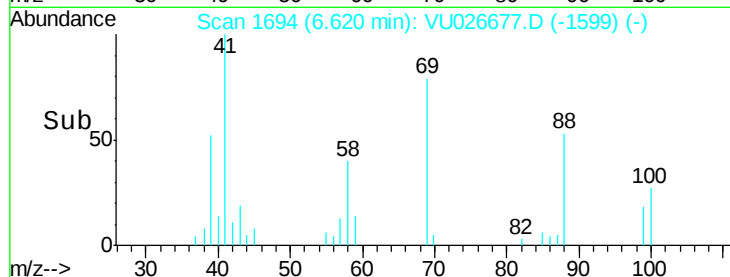
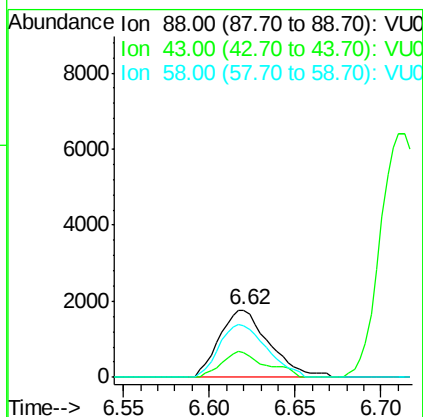
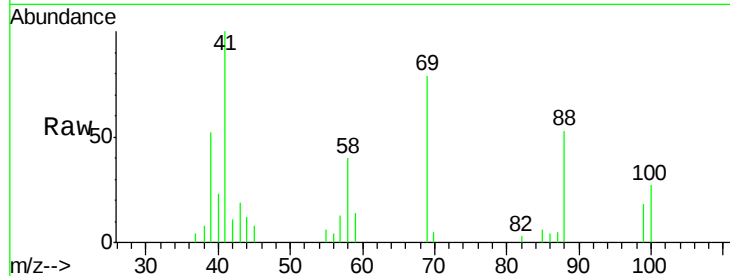




#49
1,4-Dioxane
Concen: 101.40 ug/l
RT: 6.62 min Scan# 1694
Delta R.T. 0.01 min
Lab File: VU026677.D
Acq: 11 Sep 2018 10:57

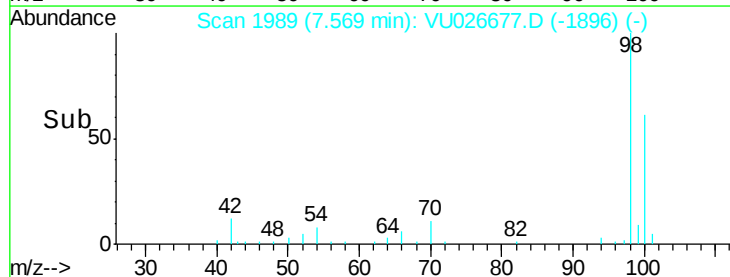
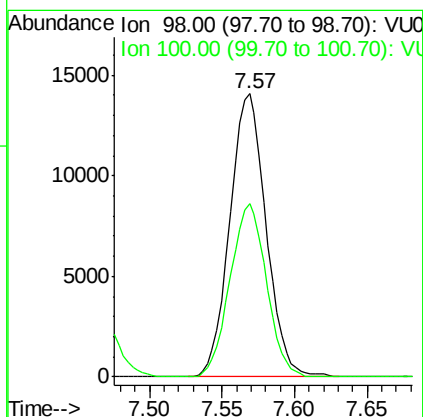
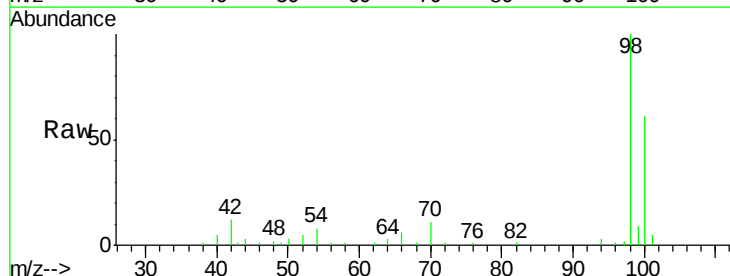
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

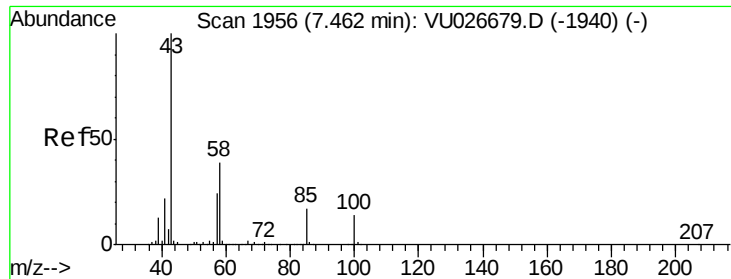
Tot Ion: 88 Resp: 3577
Ion Ratio Lower Upper
88 100
43 34.0 25.5 38.3
58 74.6 58.2 87.4



#50
Toluene-d8
Concen: 5.40 ug/l
RT: 7.57 min Scan# 1989
Delta R.T. 0.00 min
Lab File: VU026677.D
Acq: 11 Sep 2018 10:57

Tgt Ion: 98 Resp: 24437
Ion Ratio Lower Upper
98 100
100 61.2 51.2 76.8





#51

4-Methyl-2-Pentanone

Concen: 24.87 ug/l

RT: 7.46 min Scan# 1956

Delta R.T. 0.00 min

Lab File: VU026677.D

Acq: 11 Sep 2018 10:57

Instrument :

MSVOA_U

ClientSampleId :

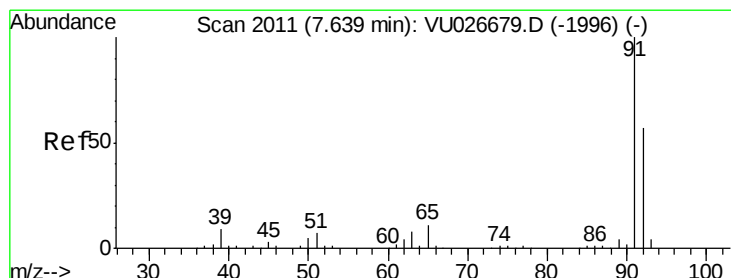
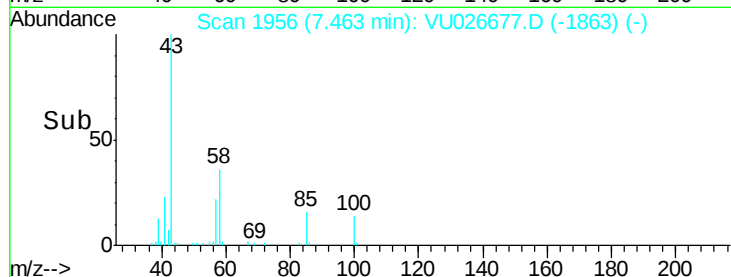
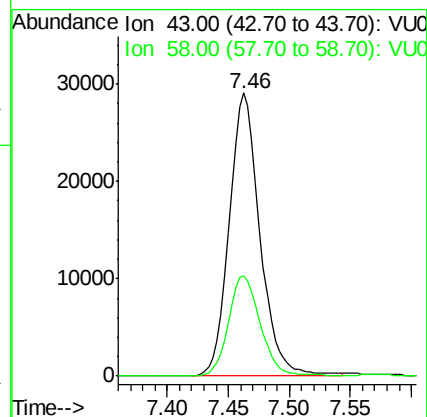
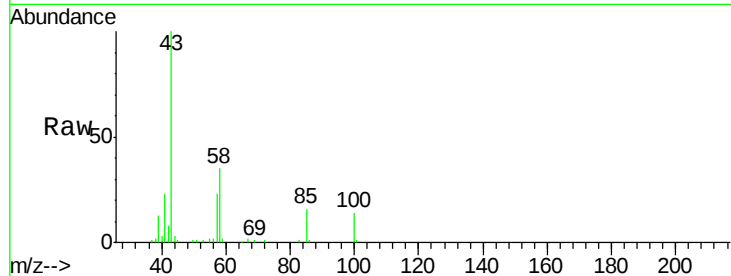
VSTDIC005

Tot Ion: 43 Resp: 51307

Ion Ratio Lower Upper

43 100

58 36.4 31.1 46.7



#52

Toluene

Concen: 5.23 ug/l

RT: 7.64 min Scan# 2011

Delta R.T. 0.00 min

Lab File: VU026677.D

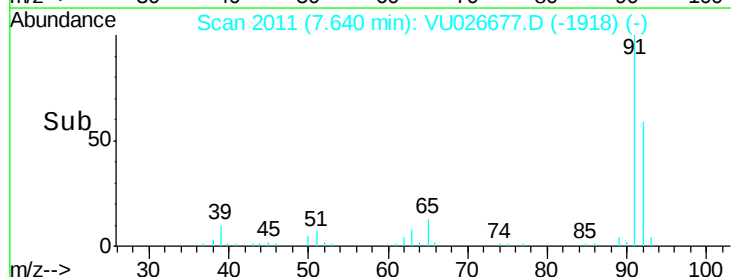
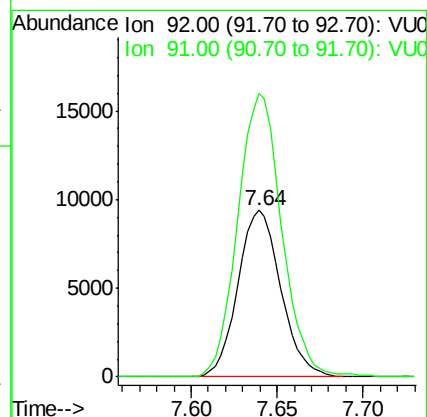
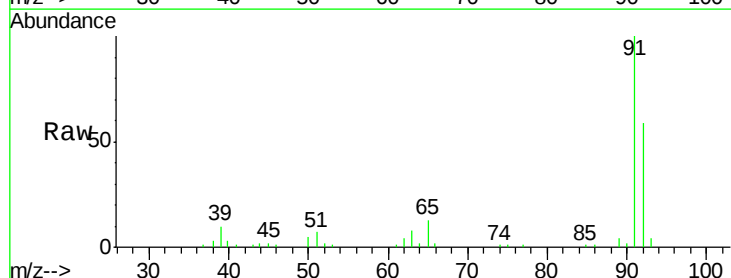
Acq: 11 Sep 2018 10:57

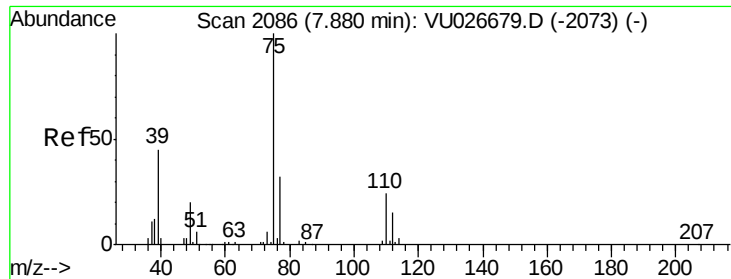
Tgt Ion: 92 Resp: 16285

Ion Ratio Lower Upper

92 100

91 175.1 141.1 211.7

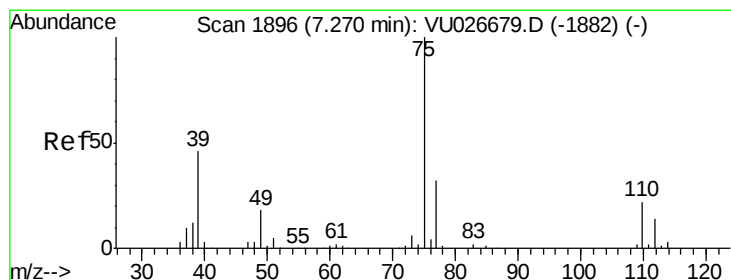
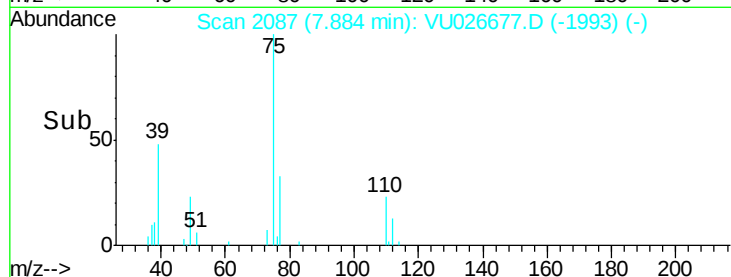
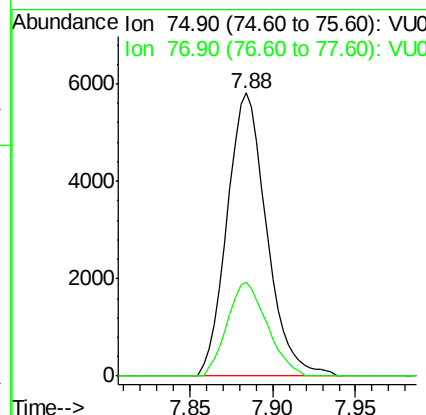
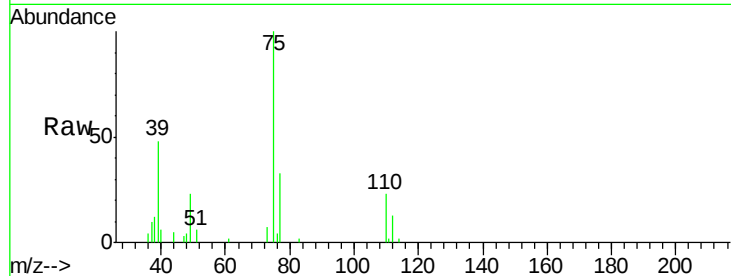




#53
t-1,3-Dichloropropene
Concen: 4.82 ug/l
RT: 7.88 min Scan# 2087
Delta R.T. 0.00 min
Lab File: VU026677.D
Acq: 11 Sep 2018 10:57

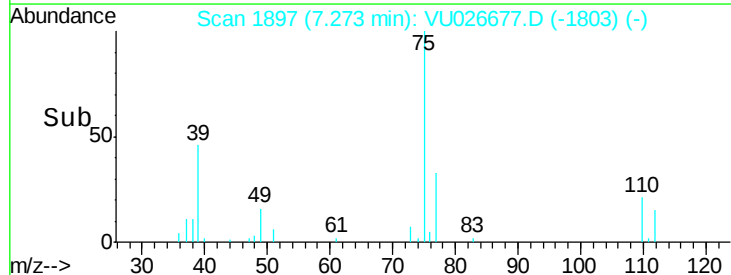
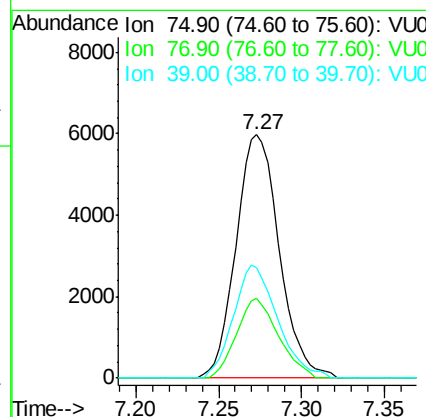
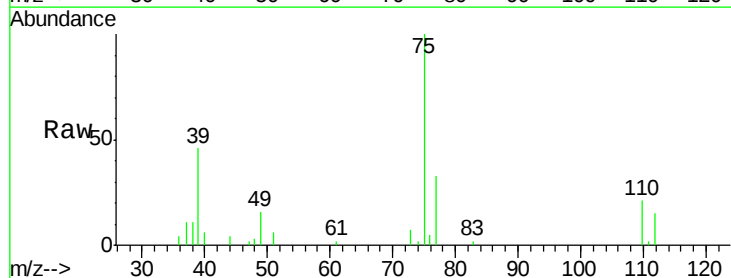
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

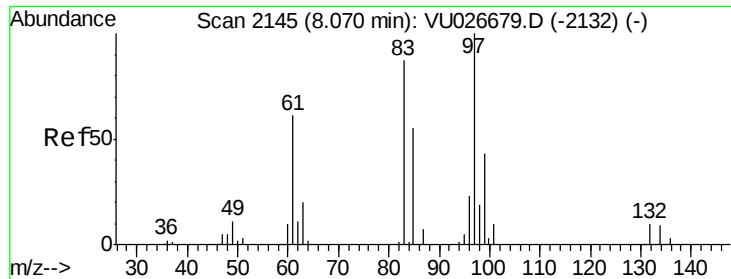
Tot Ion: 75 Resp: 9659
Ion Ratio Lower Upper
75 100
77 33.3 25.2 37.8



#54
cis-1,3-Dichloropropene
Concen: 5.02 ug/l
RT: 7.27 min Scan# 1897
Delta R.T. 0.00 min
Lab File: VU026677.D
Acq: 11 Sep 2018 10:57

Tgt Ion: 75 Resp: 10808
Ion Ratio Lower Upper
75 100
77 32.7 25.5 38.3
39 45.6 37.0 55.6

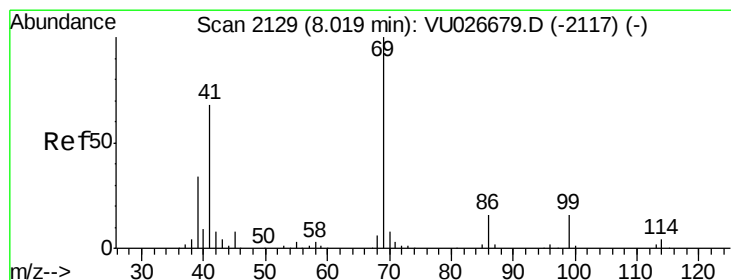
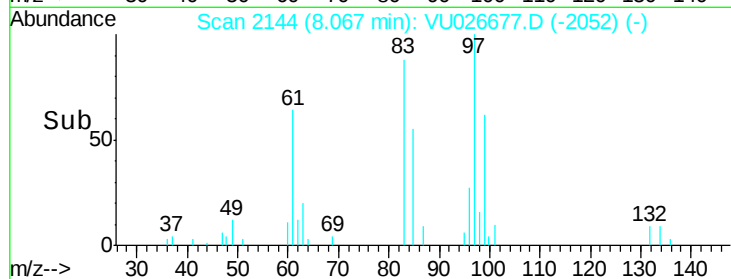
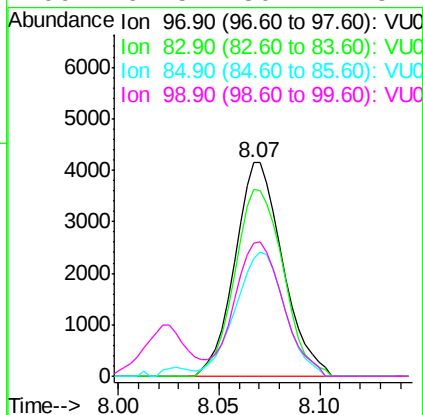
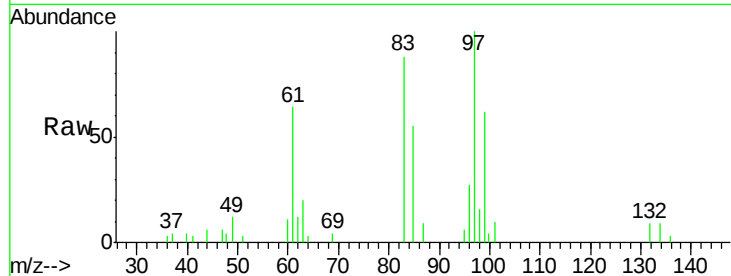




#55
 1,1,2-Trichloroethane
 Concen: 5.16 ug/l
 RT: 8.07 min Scan# 2144
 Delta R.T. -0.00 min
 Lab File: VU026677.D
 Acq: 11 Sep 2018 10:57

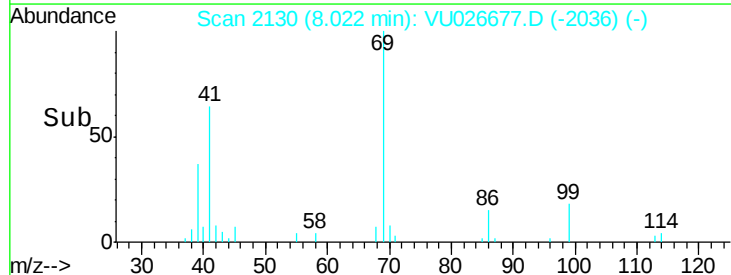
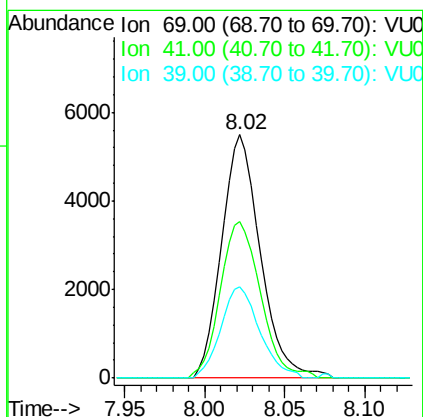
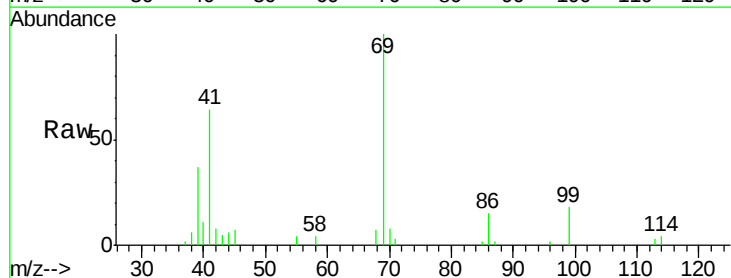
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

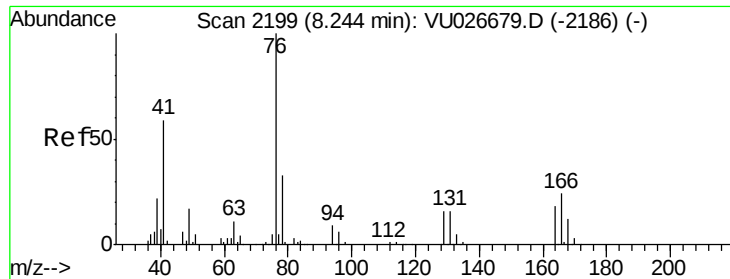
Tot Ion:	97	Resp:	6893
Ion	Ratio	Lower	Upper
97	100		
83	87.5	69.3	103.9
85	54.9	45.9	68.9
99	62.5	50.1	75.1



#56
 Ethyl methacrylate
 Concen: 4.66 ug/l
 RT: 8.02 min Scan# 2130
 Delta R.T. 0.00 min
 Lab File: VU026677.D
 Acq: 11 Sep 2018 10:57

Tgt Ion:	69	Resp:	9090
Ion	Ratio	Lower	Upper
69	100		
41	67.0	54.2	81.2
39	37.7	28.4	42.6

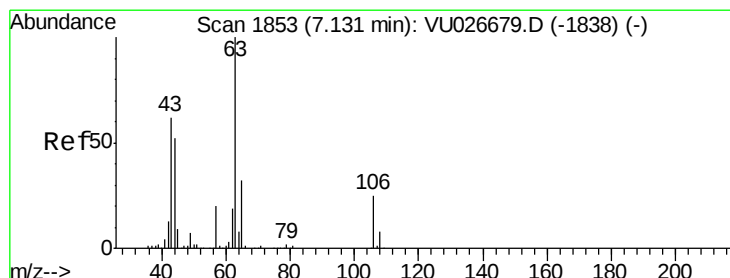
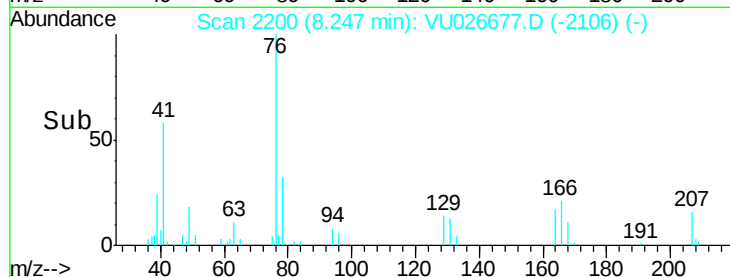
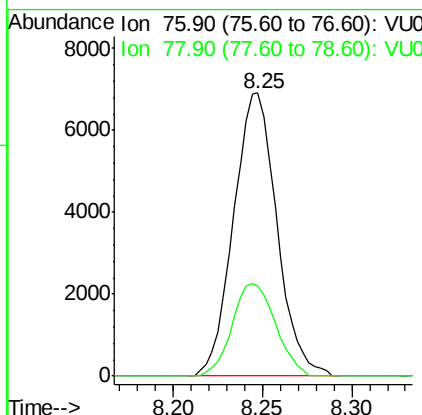
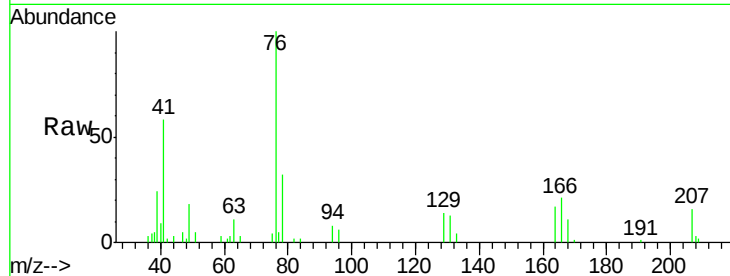




#57
 1,3-Dichloropropane
 Concen: 5.15 ug/l
 RT: 8.25 min Scan# 2200
 Delta R.T. 0.00 min
 Lab File: VU026677.D
 Acq: 11 Sep 2018 10:57

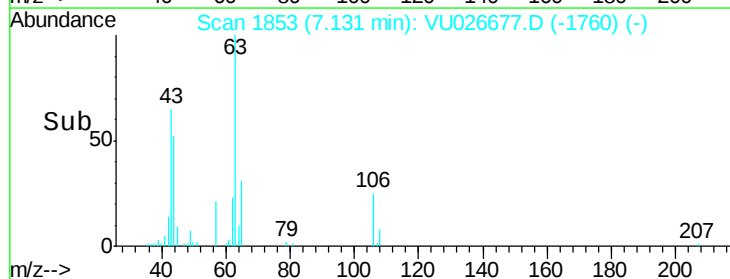
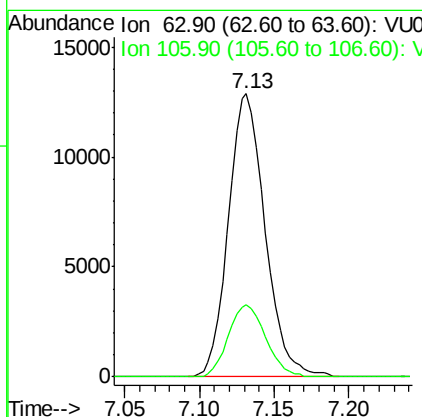
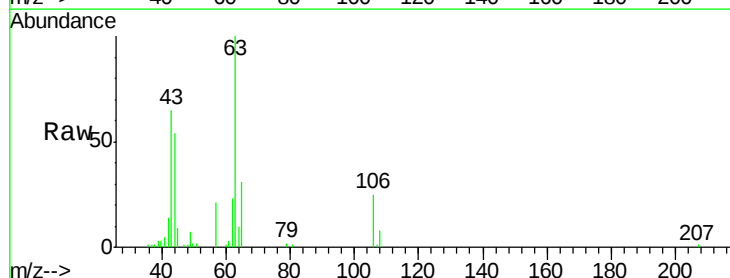
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

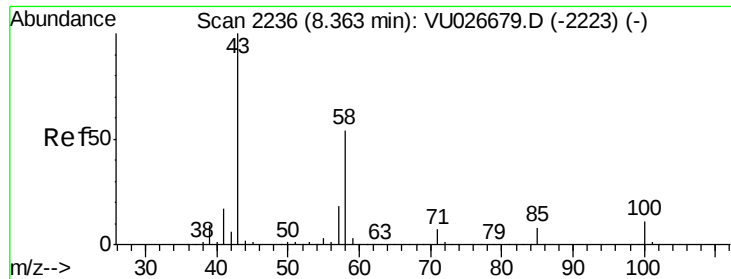
Tot Ion: 76 Resp: 11713
 Ion Ratio Lower Upper
 76 100
 78 32.5 26.0 39.0



#58
 2-Chloroethyl Vinyl ether
 Concen: 22.88 ug/l
 RT: 7.13 min Scan# 1853
 Delta R.T. 0.00 min
 Lab File: VU026677.D
 Acq: 11 Sep 2018 10:57

Tgt Ion: 63 Resp: 21983
 Ion Ratio Lower Upper
 63 100
 106 25.8 20.5 30.7

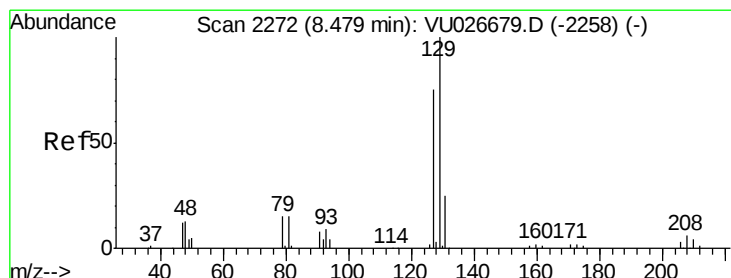
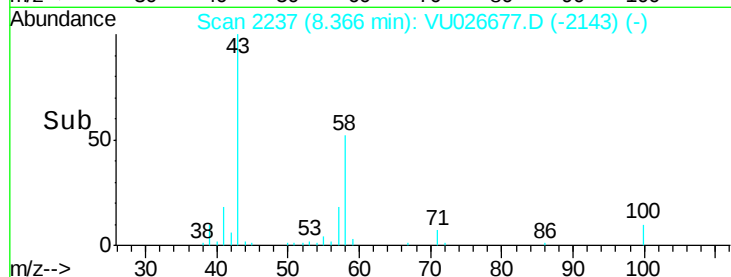
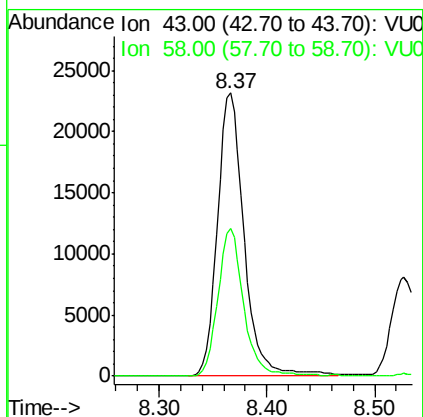
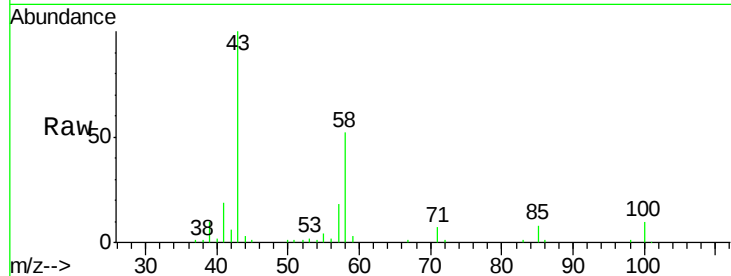




#59
2-Hexanone
Concen: 24.47 ug/l
RT: 8.37 min Scan# 2237
Delta R.T. 0.00 min
Lab File: VU026677.D
Acq: 11 Sep 2018 10:57

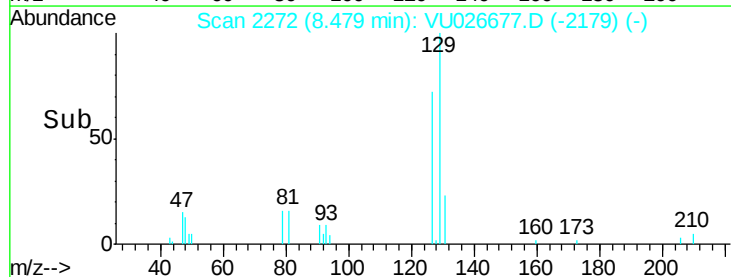
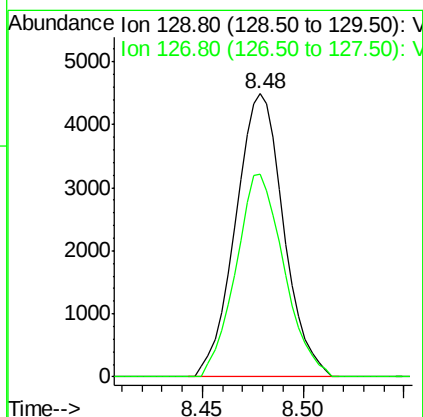
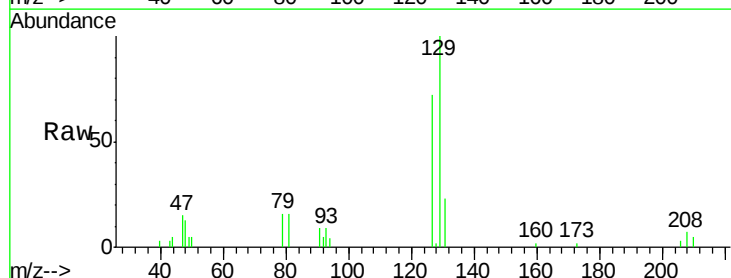
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

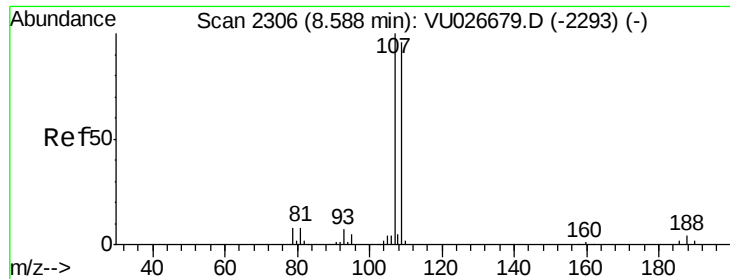
Tot Ion: 43 Resp: 39726
Ion Ratio Lower Upper
43 100
58 50.2 26.9 80.7



#60
Dibromochloromethane
Concen: 5.18 ug/l
RT: 8.48 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VU026677.D
Acq: 11 Sep 2018 10:57

Tgt Ion: 129 Resp: 7494
Ion Ratio Lower Upper
129 100
127 71.8 38.3 114.9





#61

1,2-Dibromoethane

Concen: 5.17 ug/l

RT: 8.59 min Scan# 2307

Delta R.T. 0.00 min

Lab File: VU026677.D

Acq: 11 Sep 2018 10:57

Instrument :

MSVOA_U

ClientSampleId :

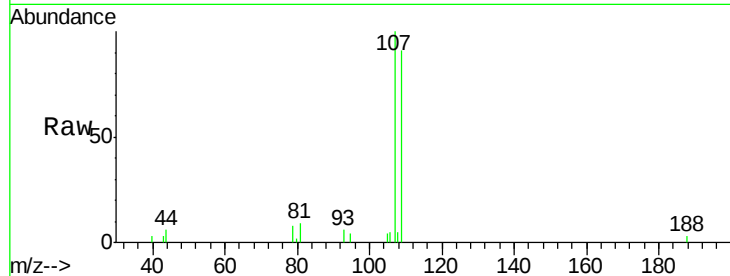
VSTDIC005

Tot Ion:107 Resp: 7485

Ion Ratio Lower Upper

107 100

109 92.9 75.7 113.5



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

8.59

5000

4000

3000

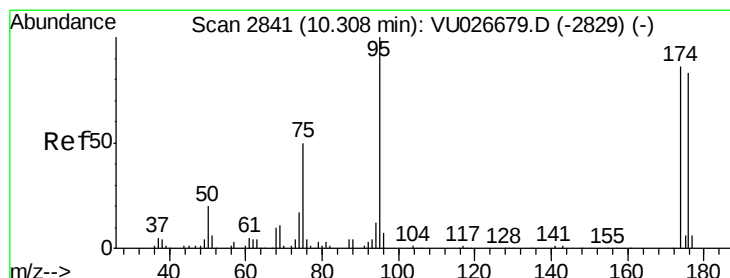
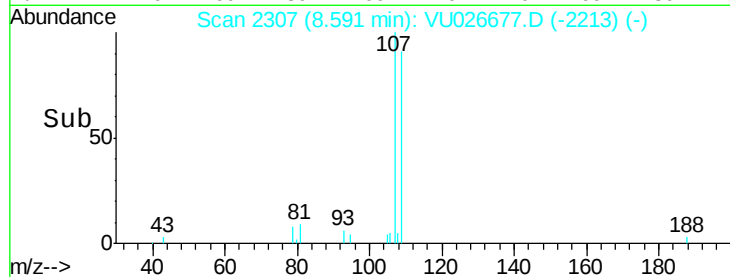
2000

1000

0

Time-->

8.55 8.60 8.65



#62

4-Bromofluorobenzene

Concen: 4.72 ug/l

RT: 10.31 min Scan# 2842

Delta R.T. 0.00 min

Lab File: VU026677.D

Acq: 11 Sep 2018 10:57

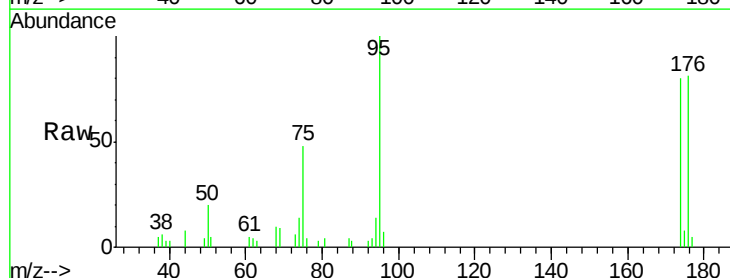
Tgt Ion: 95 Resp: 7750

Ion Ratio Lower Upper

95 100

174 87.4 0.0 172.8

176 84.4 0.0 168.6



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

6000

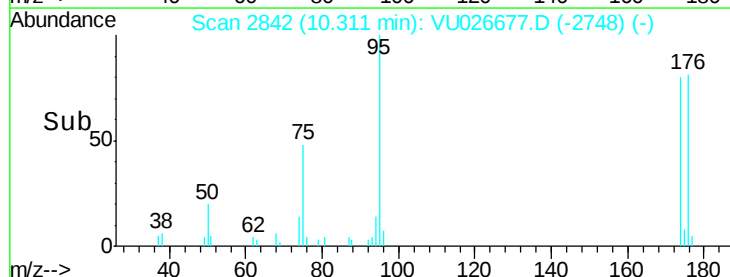
4000

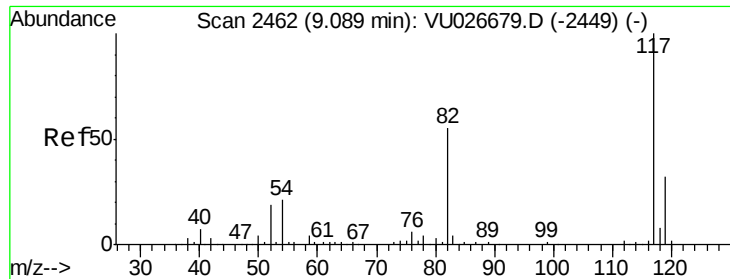
2000

0

Time-->

10.25 10.30 10.35

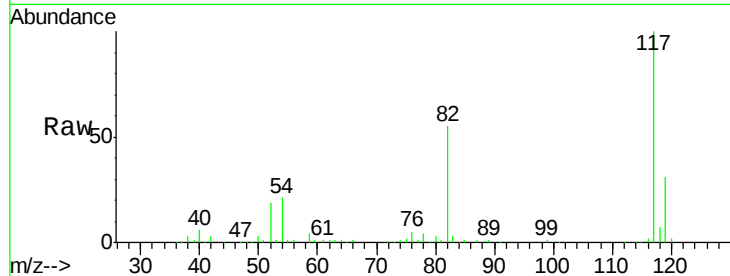




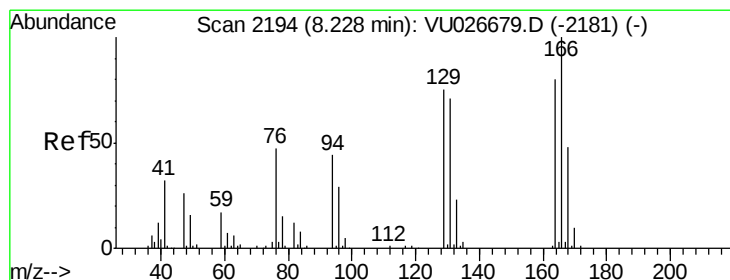
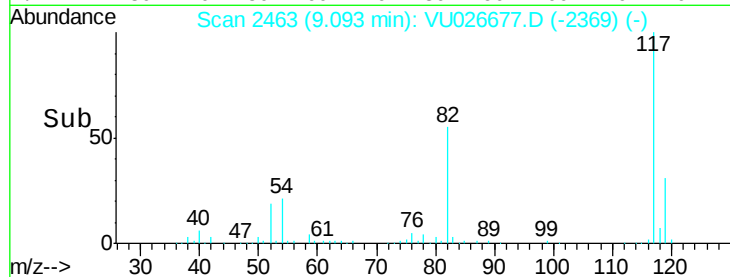
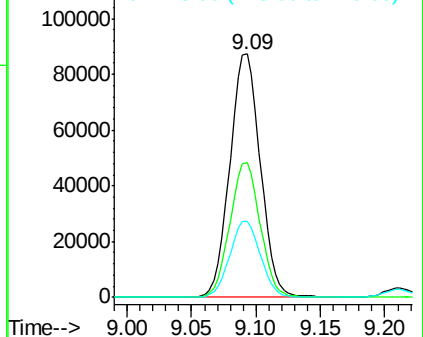
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.09 min Scan# 2463
Delta R.T. 0.00 min
Lab File: VU026677.D
Acq: 11 Sep 2018 10:57

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

Tot Ion:117 Resp: 143590
Ion Ratio Lower Upper
117 100
82 55.2 44.1 66.1
119 31.3 25.7 38.5

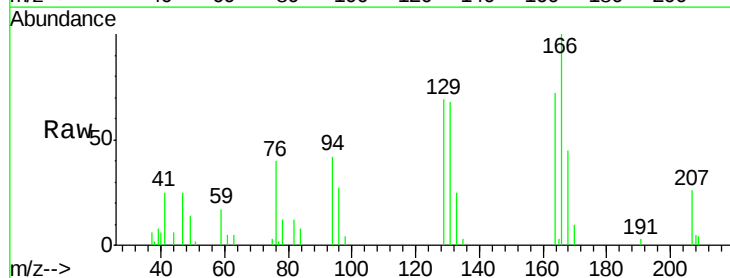


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

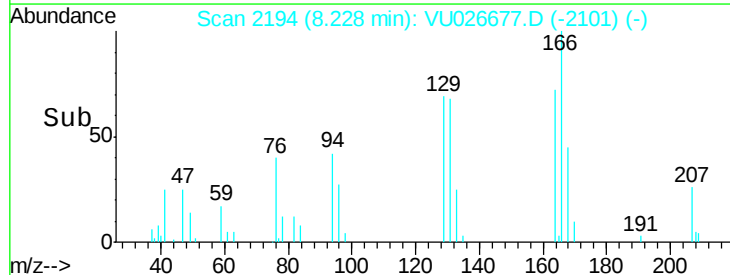
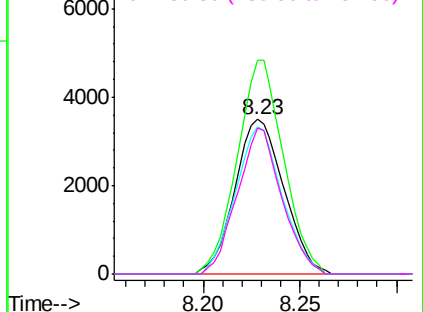


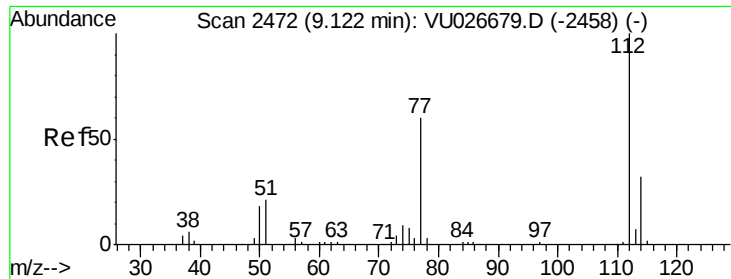
#64
Tetrachloroethene
Concen: 5.37 ug/l
RT: 8.23 min Scan# 2194
Delta R.T. 0.00 min
Lab File: VU026677.D
Acq: 11 Sep 2018 10:57

Tgt Ion:164 Resp: 6136
Ion Ratio Lower Upper
164 100
166 138.0 100.5 150.7
129 95.0 75.3 112.9
131 94.2 71.4 107.2



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

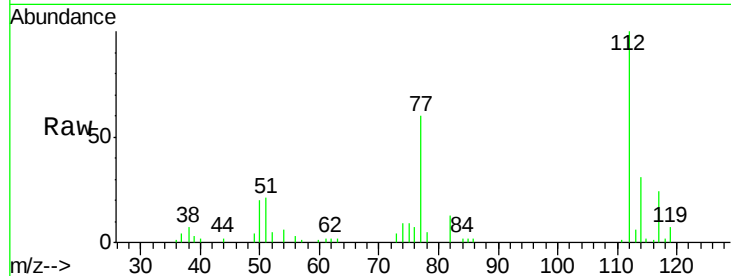




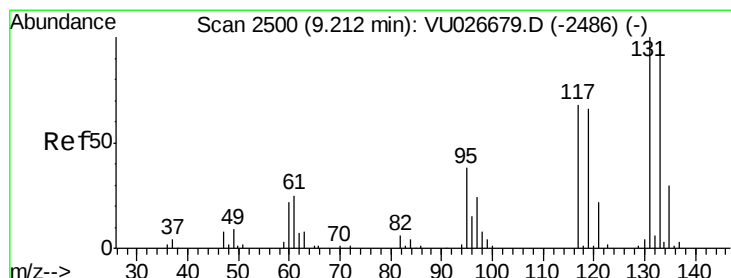
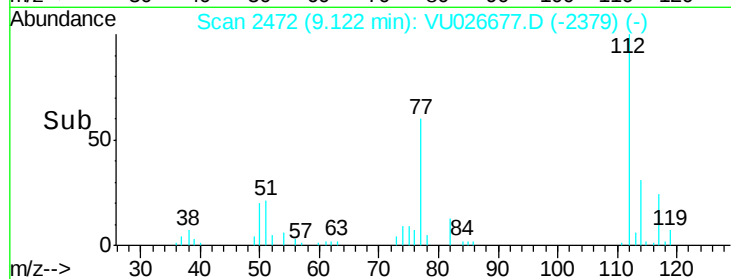
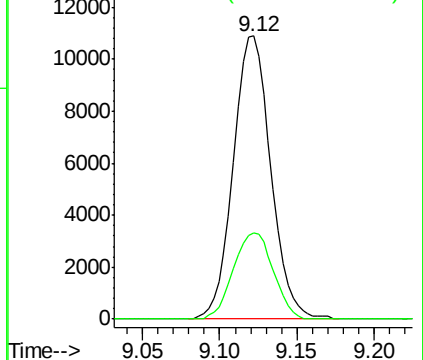
#65
Chlorobenzene
Concen: 5.14 ug/l
RT: 9.12 min Scan# 2472
Delta R.T. 0.00 min
Lab File: VU026677.D
Acq: 11 Sep 2018 10:57

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

Tot Ion:112 Resp: 18320
Ion Ratio Lower Upper
112 100
114 30.6 25.5 38.3

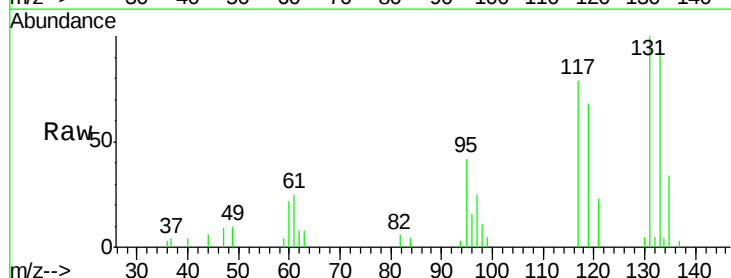


Abundance Ion 111.90 (111.60 to 112.60): V
Ion 113.90 (113.60 to 114.60): V

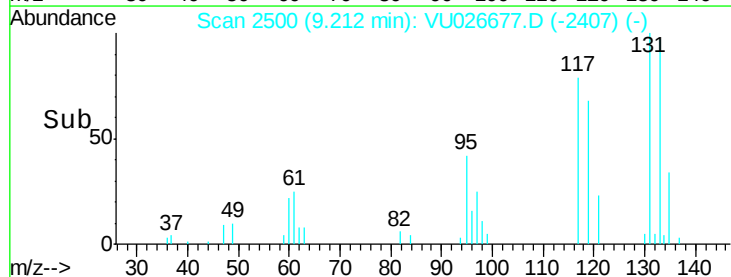
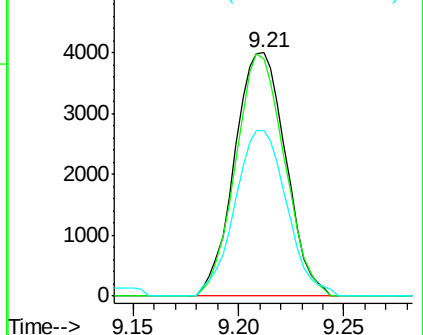


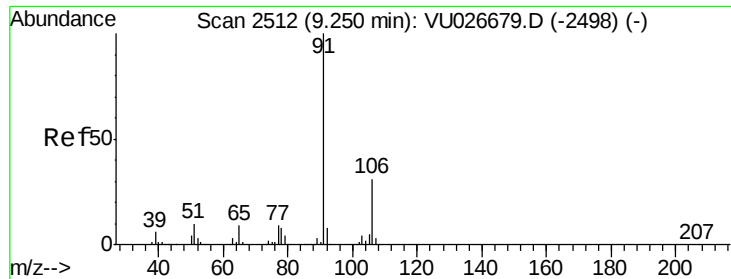
#66
1,1,1,2-Tetrachloroethane
Concen: 5.14 ug/l
RT: 9.21 min Scan# 2500
Delta R.T. 0.00 min
Lab File: VU026677.D
Acq: 11 Sep 2018 10:57

Tgt Ion:131 Resp: 6742
Ion Ratio Lower Upper
131 100
133 95.0 48.9 146.6
119 68.8 32.7 98.1



Abundance Ion 130.80 (130.50 to 131.50): V
Ion 132.80 (132.50 to 133.50): V
Ion 118.80 (118.50 to 119.50): V

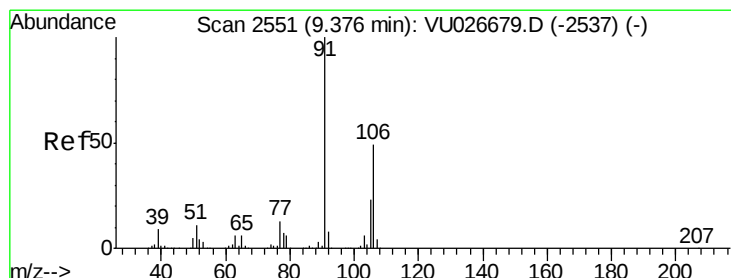
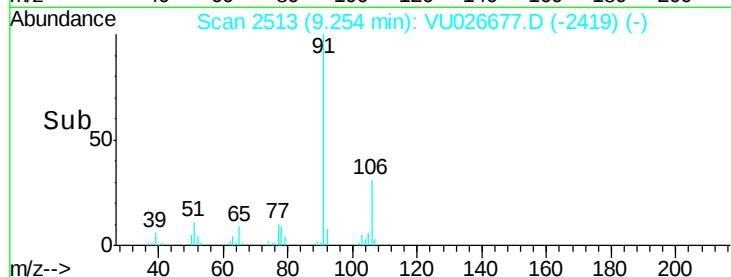
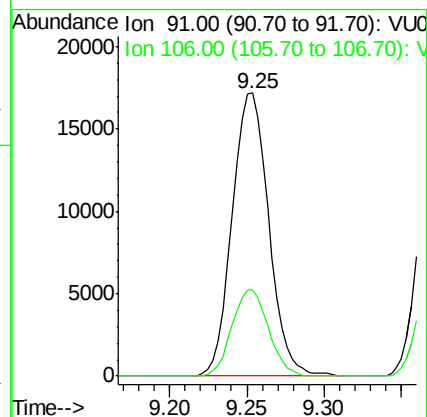
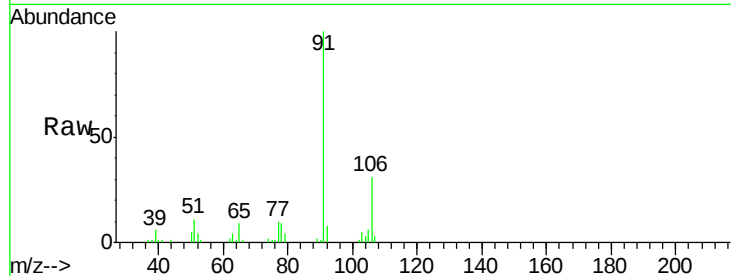




#67
Ethyl Benzene
Concen: 4.80 ug/l
RT: 9.25 min Scan# 2513
Delta R.T. 0.00 min
Lab File: VU026677.D
Acq: 11 Sep 2018 10:57

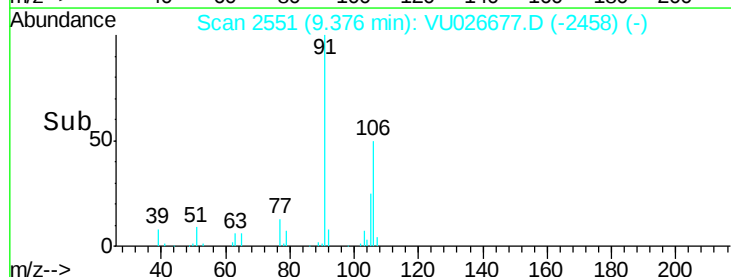
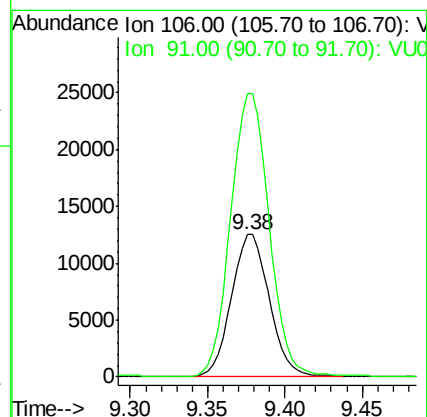
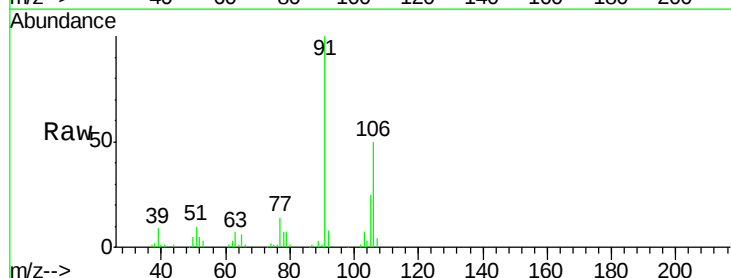
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

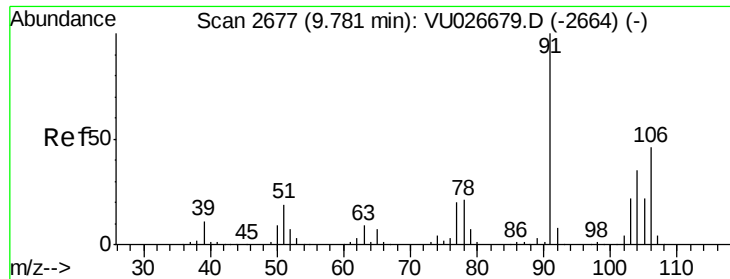
Tot Ion: 91 Resp: 28191
Ion Ratio Lower Upper
91 100
106 30.6 25.0 37.4



#68
m/p-Xylenes
Concen: 9.53 ug/l
RT: 9.38 min Scan# 2551
Delta R.T. 0.00 min
Lab File: VU026677.D
Acq: 11 Sep 2018 10:57

Tgt Ion: 106 Resp: 21299
Ion Ratio Lower Upper
106 100
91 202.6 162.1 243.1

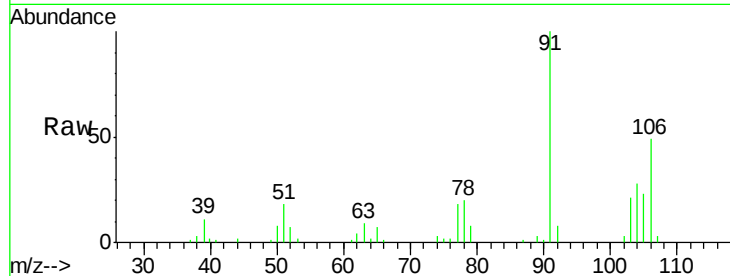




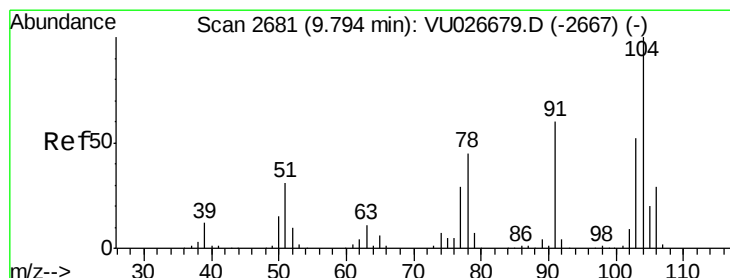
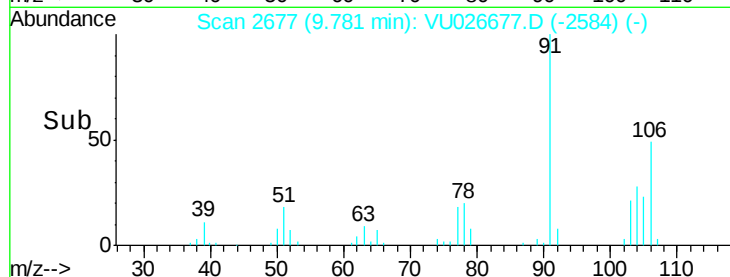
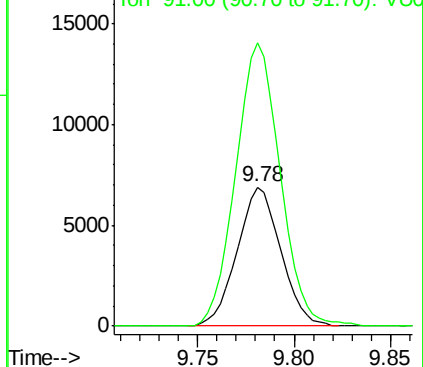
#69
o-Xylene
Concen: 4.95 ug/l
RT: 9.78 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VU026677.D
Acq: 11 Sep 2018 10:57

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

Tot Ion:106 Resp: 10773
Ion Ratio Lower Upper
106 100
91 208.6 106.9 320.8

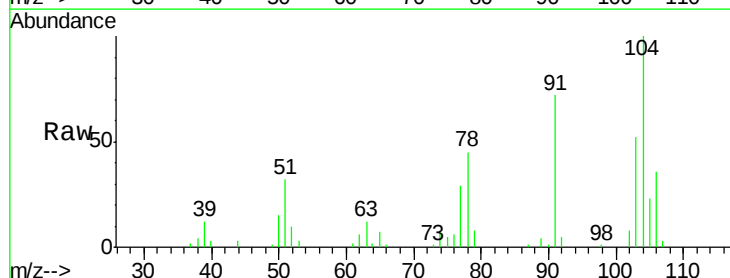


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

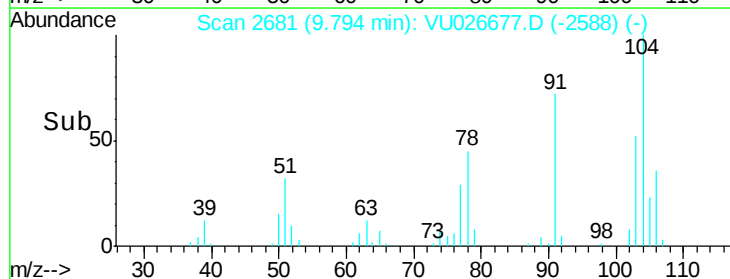
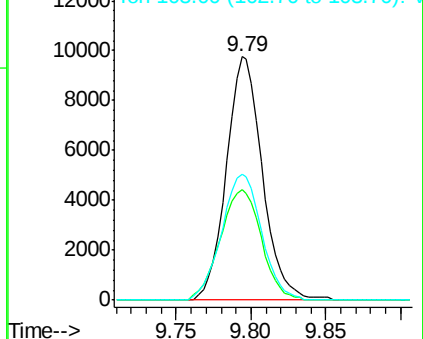


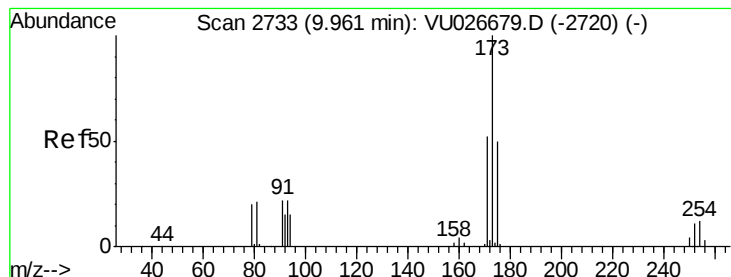
#70
Styrene
Concen: 4.59 ug/l
RT: 9.79 min Scan# 2681
Delta R.T. 0.00 min
Lab File: VU026677.D
Acq: 11 Sep 2018 10:57

Tgt Ion:104 Resp: 16355
Ion Ratio Lower Upper
104 100
78 51.6 39.4 59.2
103 57.2 44.5 66.7



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: 4.78 ug/l

RT: 9.96 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VU026677.D

Acq: 11 Sep 2018 10:57

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

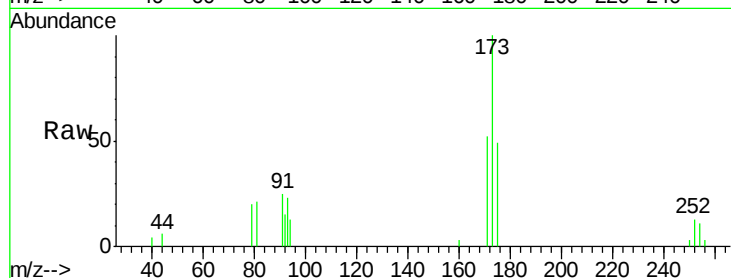
Tot Ion:173 Resp: 5455

Ion Ratio Lower Upper

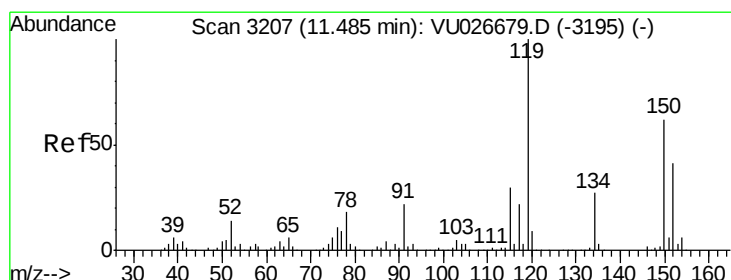
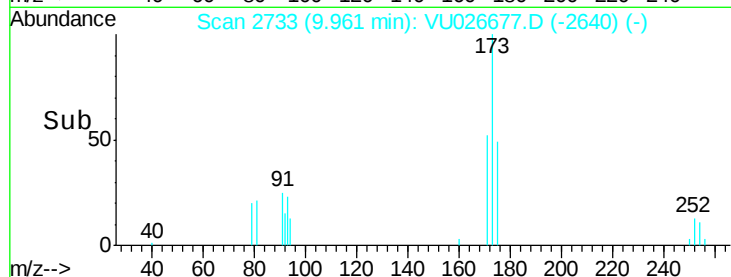
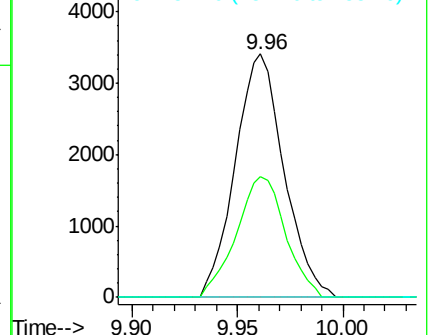
173 100

175 50.0 24.7 74.1

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# 3207

Delta R.T. 0.00 min

Lab File: VU026677.D

Acq: 11 Sep 2018 10:57

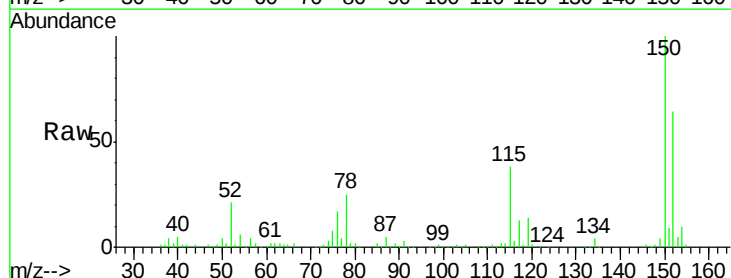
Tgt Ion:152 Resp: 76060

Ion Ratio Lower Upper

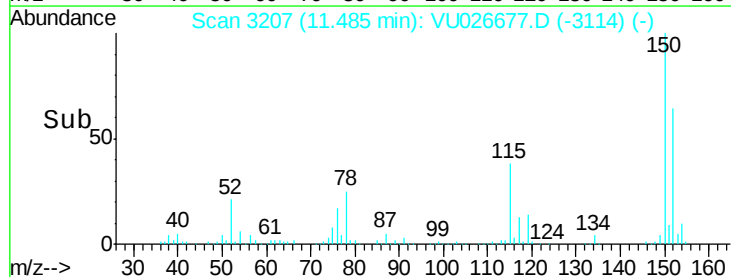
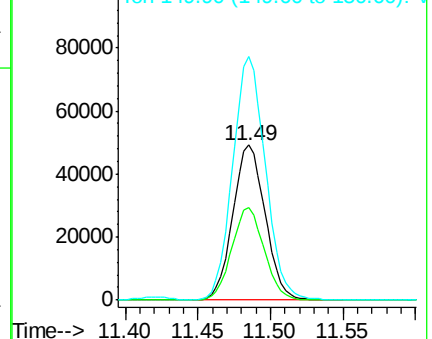
152 100

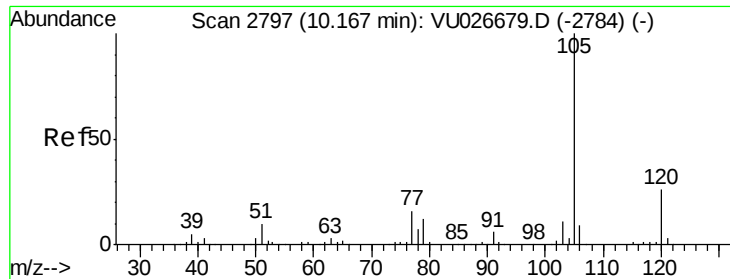
115 59.7 40.4 121.1

150 159.3 0.0 345.2



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: 5.22 ug/l

RT: 10.17 min Scan# 2797

Delta R.T. 0.00 min

Lab File: VU026677.D

Acq: 11 Sep 2018 10:57

Instrument :

MSVOA_U

ClientSampleId :

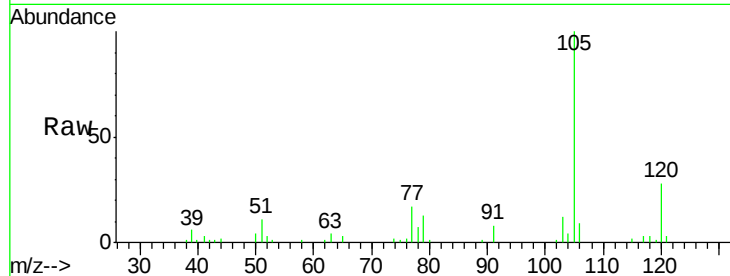
VSTDIC005

Tot Ion:105 Resp: 27066

Ion Ratio Lower Upper

105 100

120 26.5 13.3 39.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

10.17

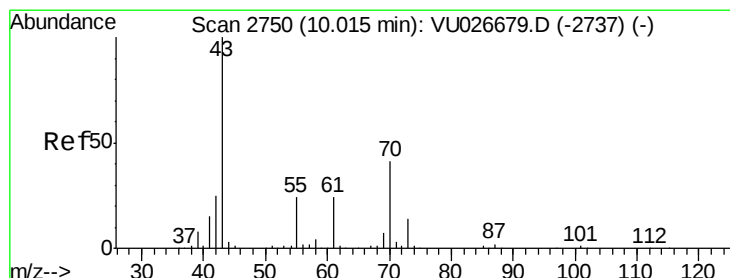
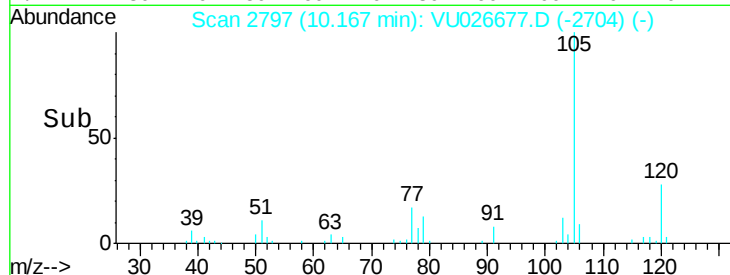
15000

10000

5000

0

Time--> 10.10 10.15 10.20



#74

N-ethyl acetate

Concen: 4.95 ug/l

RT: 10.02 min Scan# 2750

Delta R.T. 0.00 min

Lab File: VU026677.D

Acq: 11 Sep 2018 10:57

Tgt Ion: 43 Resp: 12106

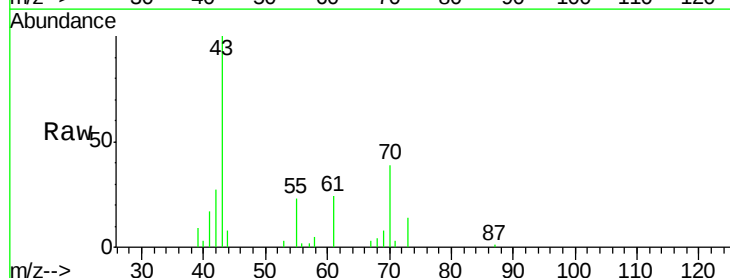
Ion Ratio Lower Upper

43 100

70 39.6 32.6 48.8

55 24.9 19.1 28.7

61 23.9 19.4 29.0



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

10.02

12000

10000

8000

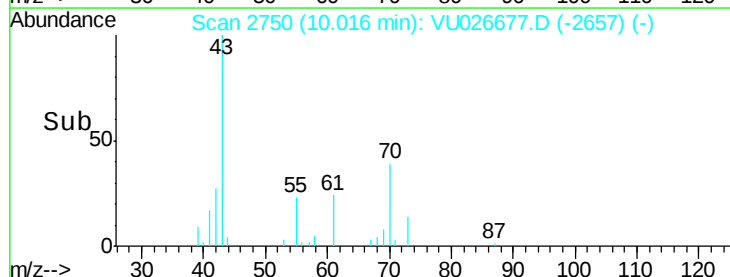
6000

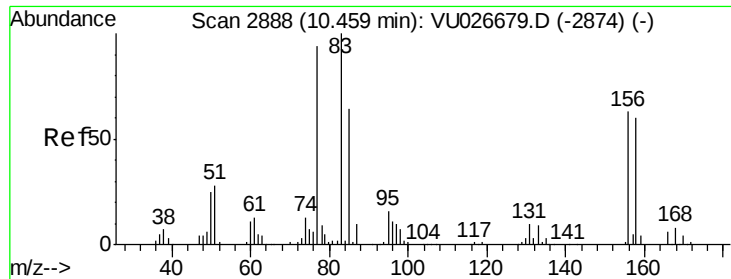
4000

2000

0

Time--> 9.95 10.00 10.05 10.10





#75

1,1,2,2-Tetrachloroethane

Concen: 5.46 ug/l

RT: 10.46 min Scan# 2888

Delta R.T. 0.00 min

Lab File: VU026677.D

Acq: 11 Sep 2018 10:57

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

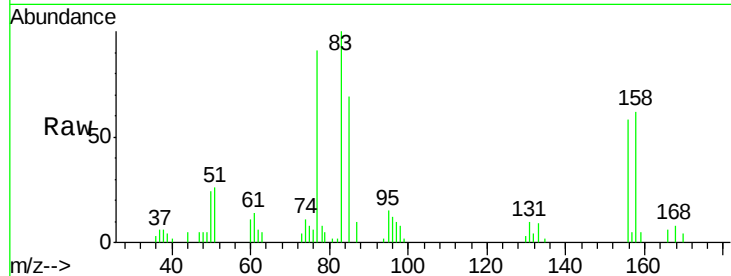
Tot Ion: 83 Resp: 11523

Ion Ratio Lower Upper

83 100

131 9.2 4.9 14.6

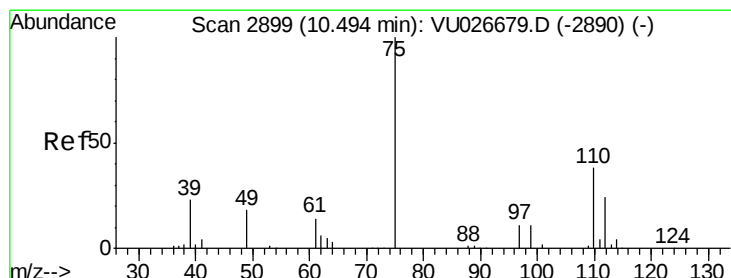
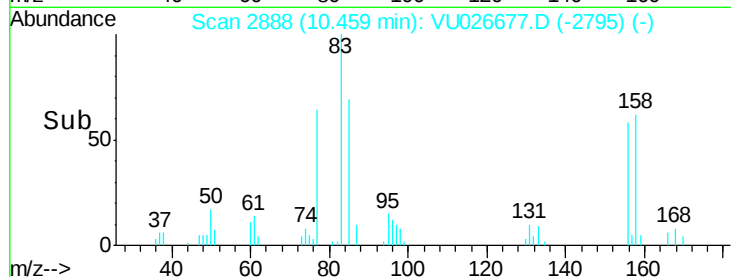
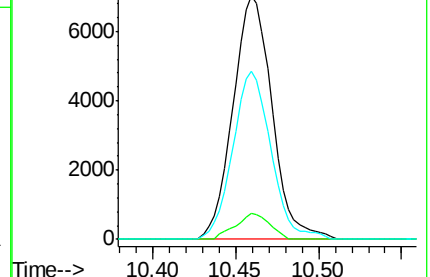
85 67.5 32.3 96.9



Abundance Ion 82.90 (82.60 to 83.60): VU026677.D (-2874) (-)

Ion 130.80 (130.50 to 131.50): VU026677.D (-2874) (-)

Ion 84.90 (84.60 to 85.60): VU026677.D (-2874) (-)



#76

1,2,3-Trichloropropane

Concen: 6.65 ug/l

RT: 10.49 min Scan# 2899

Delta R.T. 0.00 min

Lab File: VU026677.D

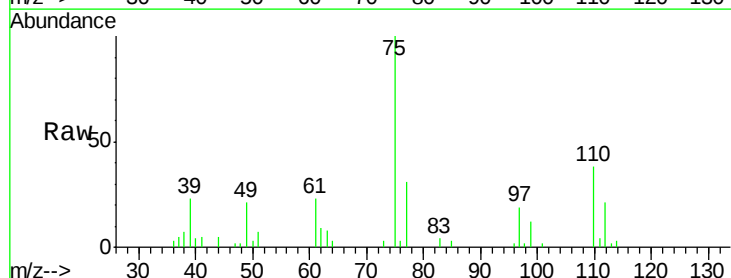
Acq: 11 Sep 2018 10:57

Tgt Ion: 75 Resp: 12857

Ion Ratio Lower Upper

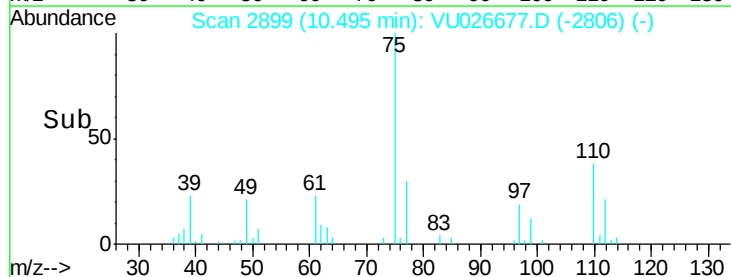
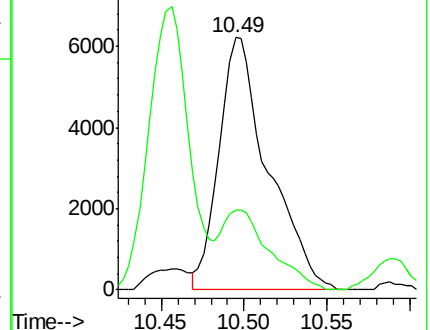
75 100

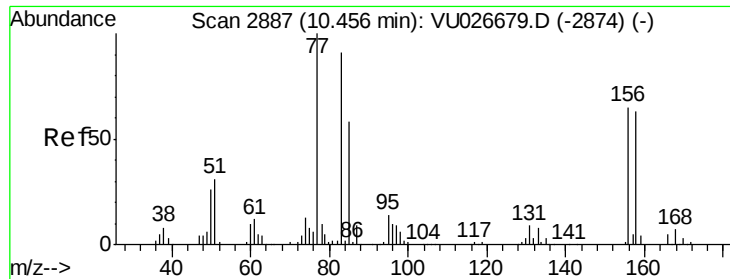
77 30.8 21.1 63.1



Abundance Ion 74.90 (74.60 to 75.60): VU026677.D (-2890) (-)

Ion 77.00 (76.70 to 77.70): VU026677.D (-2890) (-)





#77

Bromobenzene

Concen: 5.08 ug/l

RT: 10.46 min Scan# 2887

Delta R.T. 0.00 min

Lab File: VU026677.D

Acq: 11 Sep 2018 10:57

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

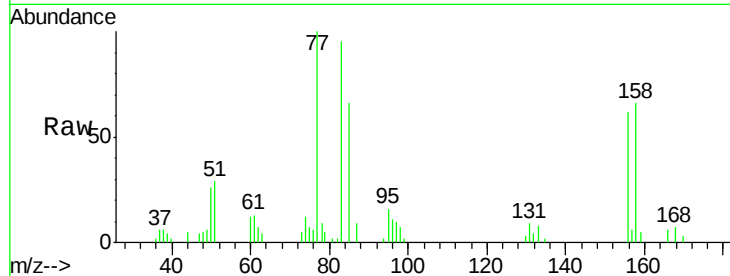
Tot Ion:156 Resp: 7158

Ion Ratio Lower Upper

156 100

77 166.6 77.6 232.9

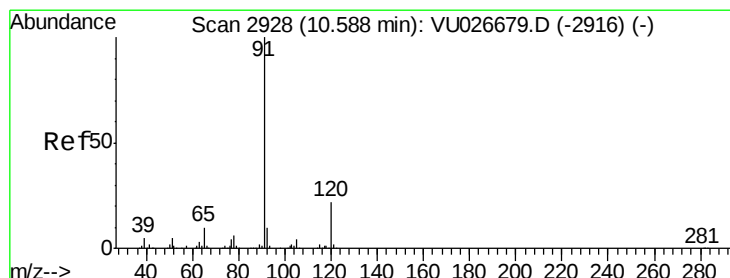
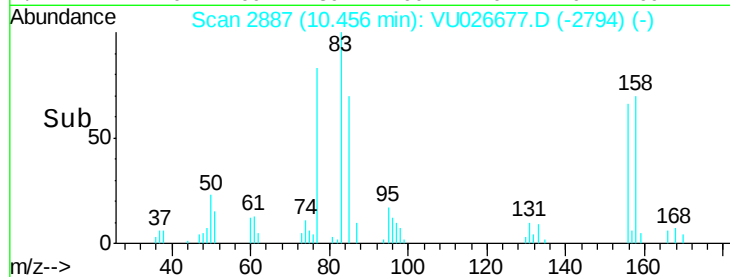
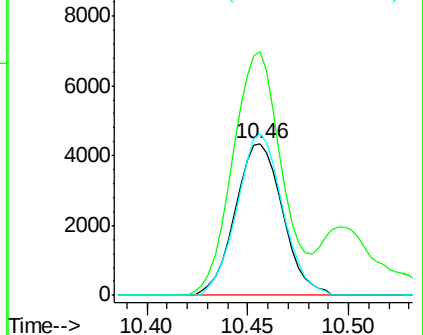
158 102.8 48.9 146.6



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VU0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 4.98 ug/l

RT: 10.59 min Scan# 2928

Delta R.T. 0.00 min

Lab File: VU026677.D

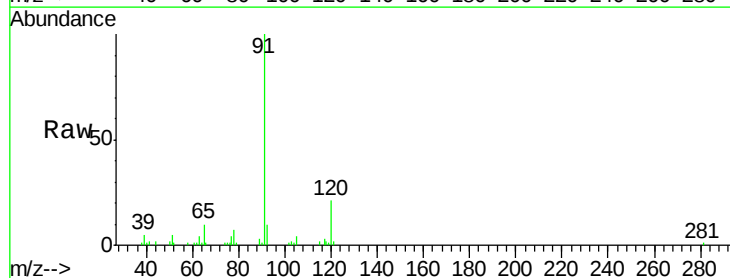
Acq: 11 Sep 2018 10:57

Tgt Ion: 91 Resp: 30023

Ion Ratio Lower Upper

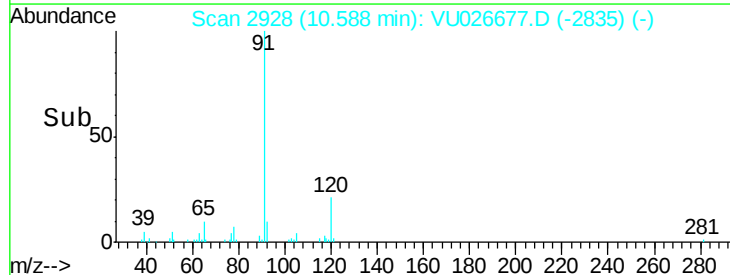
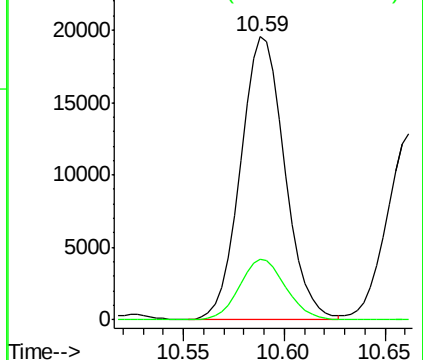
91 100

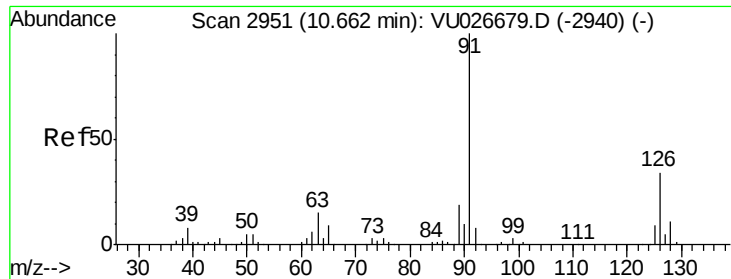
120 22.2 11.4 34.1



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 5.48 ug/l

RT: 10.66 min Scan# 2951

Delta R.T. 0.00 min

Lab File: VU026677.D

Acq: 11 Sep 2018 10:57

Instrument :

MSVOA_U

ClientSampleId :

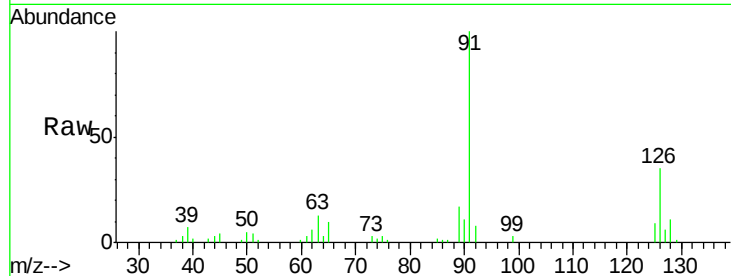
VSTDIC005

Tot Ion: 91 Resp: 20461

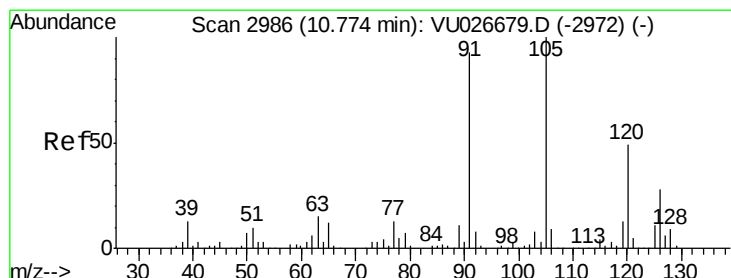
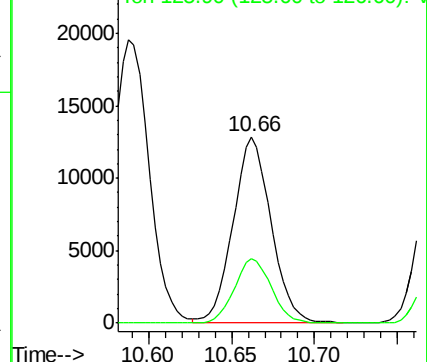
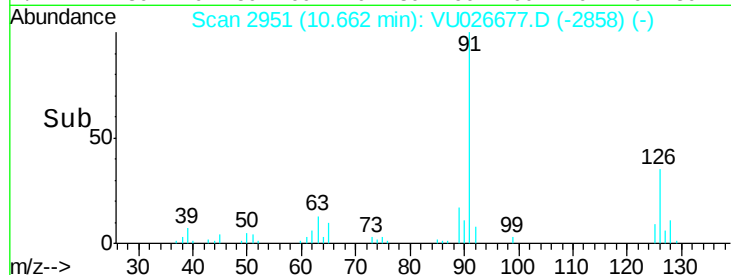
Ion Ratio Lower Upper

91 100

126 33.4 17.3 51.7



Abundance Ion 91.00 (90.70 to 91.70): VU026677.D (-2858) (-)



#80

1,3,5-Trimethylbenzene

Concen: 4.99 ug/l

RT: 10.77 min Scan# 2986

Delta R.T. 0.00 min

Lab File: VU026677.D

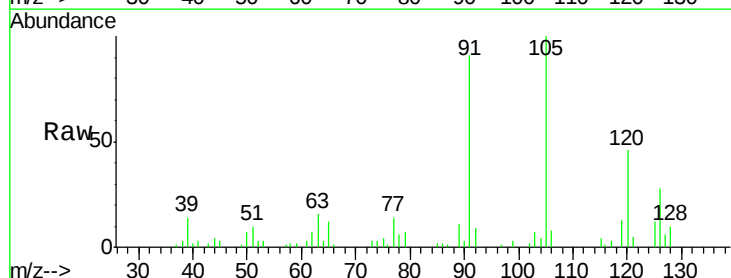
Acq: 11 Sep 2018 10:57

Tgt Ion: 105 Resp: 21750

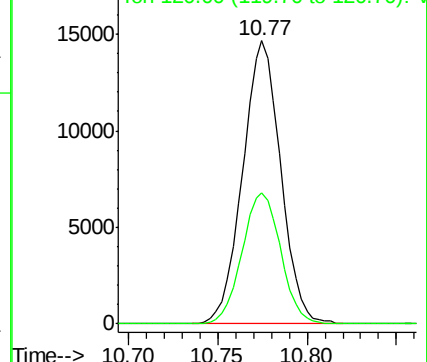
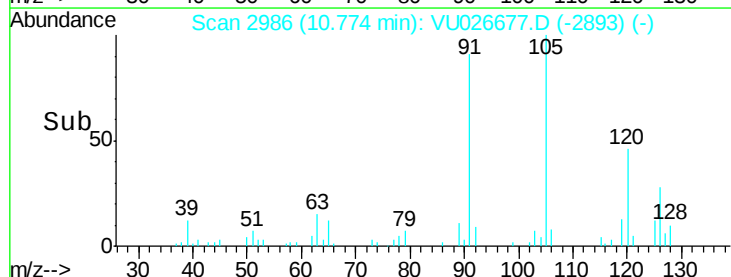
Ion Ratio Lower Upper

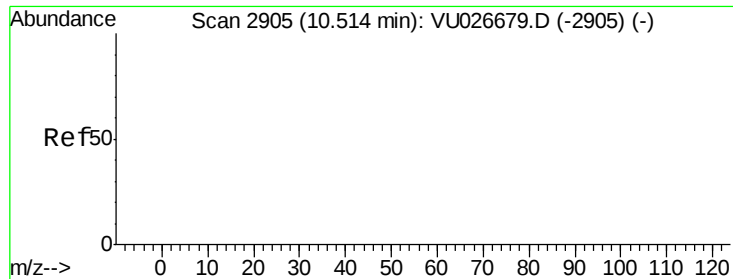
105 100

120 47.0 24.6 74.0



Abundance Ion 105.00 (104.70 to 105.70): VU026677.D (-2893) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 14.86 ug/l

RT: 10.49 min Scan# 2899

Delta R.T. -0.02 min

Lab File: VU026677.D

Acq: 11 Sep 2018 10:57

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

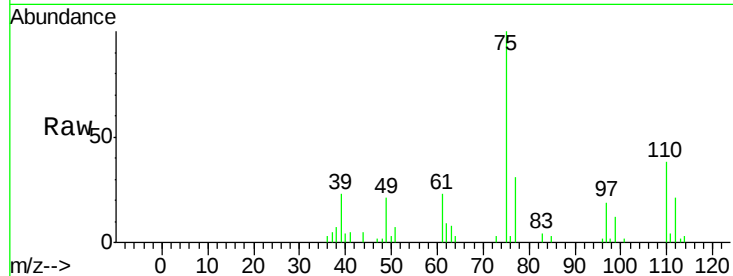
Tot Ion: 75 Resp: 12857

Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

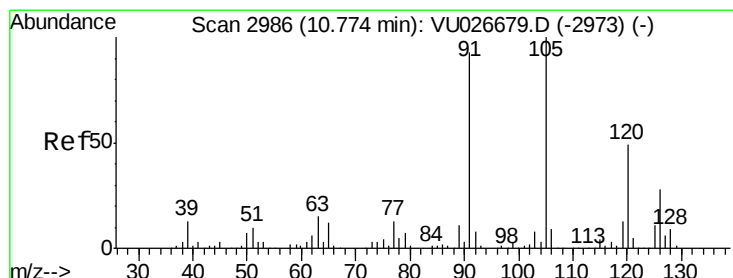
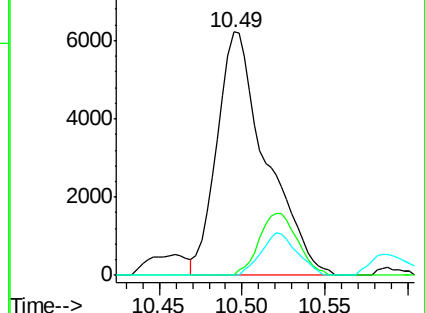
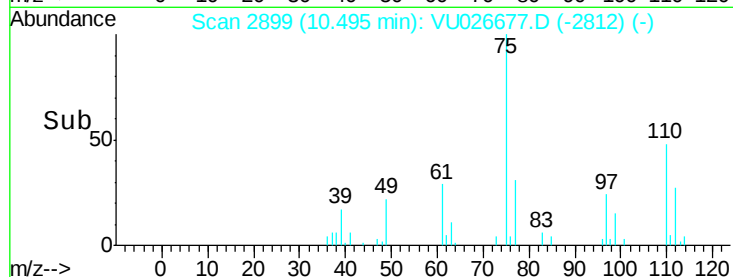
89 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 53.00 (52.70 to 53.70): VU0

Ion 88.90 (88.60 to 89.60): VU0



#82

4-Chlorotoluene

Concen: 5.12 ug/l

RT: 10.77 min Scan# 2986

Delta R.T. 0.00 min

Lab File: VU026677.D

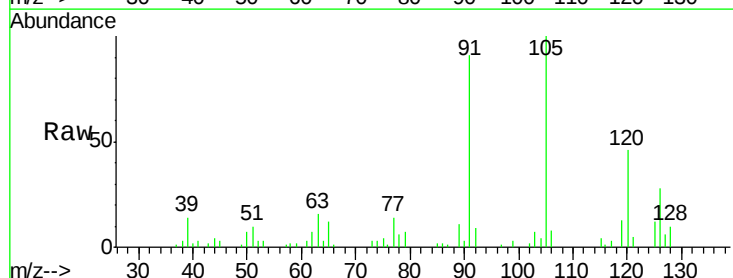
Acq: 11 Sep 2018 10:57

Tgt Ion: 91 Resp: 21509

Ion Ratio Lower Upper

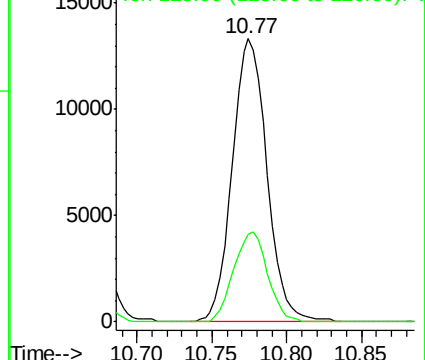
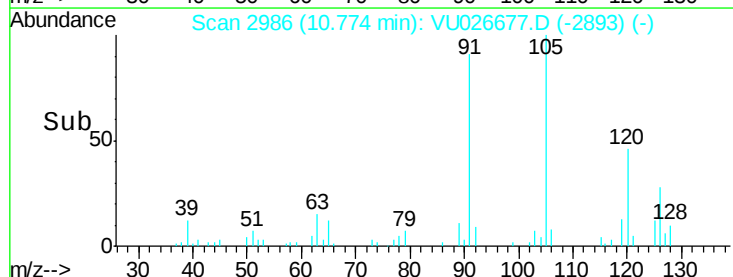
91 100

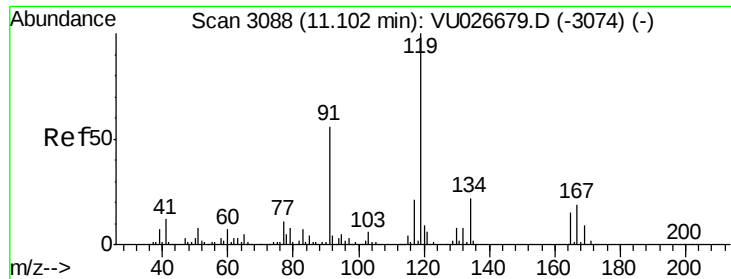
126 31.0 15.2 45.5



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 125.90 (125.60 to 126.60): V

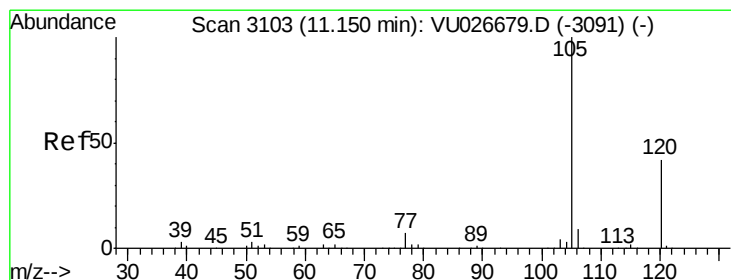
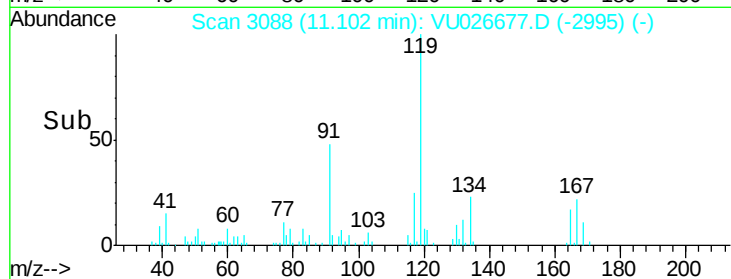
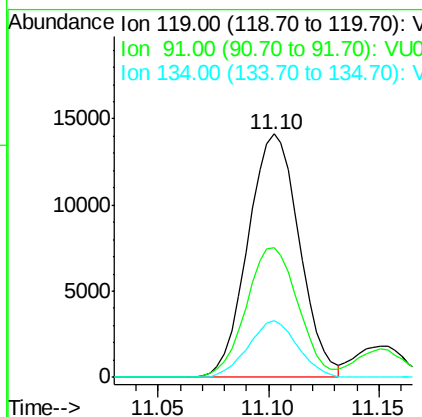
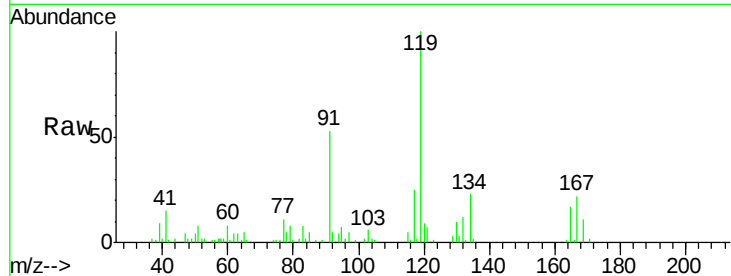




#83
 tert-Butylbenzene
 Concen: 5.18 ug/l
 RT: 11.10 min Scan# 3088
 Delta R.T. 0.00 min
 Lab File: VU026677.D
 Acq: 11 Sep 2018 10:57

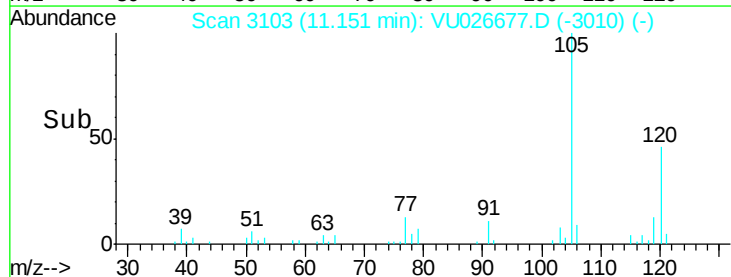
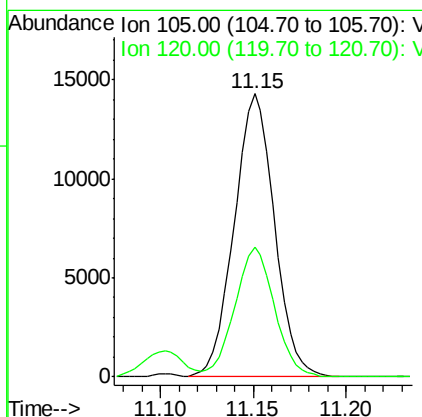
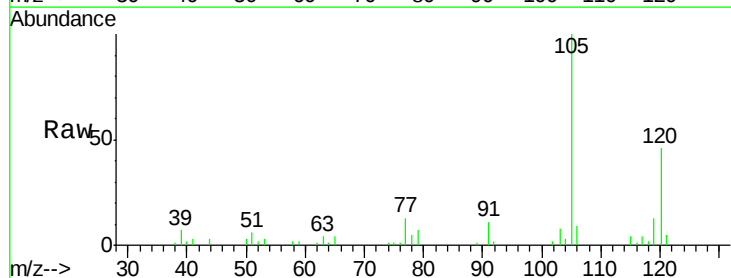
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

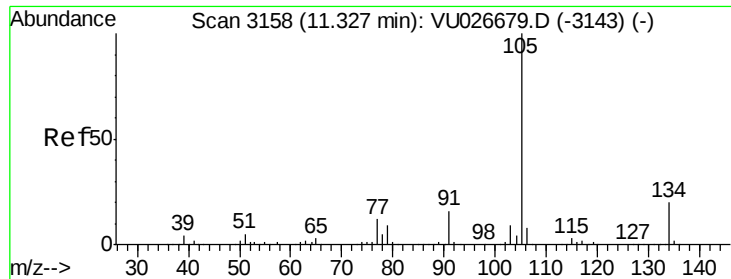
Tot Ion:119 Resp: 22902
 Ion Ratio Lower Upper
 119 100
 91 53.7 28.3 85.0
 134 22.3 11.2 33.5



#84
 1,2,4-Trimethylbenzene
 Concen: 4.90 ug/l
 RT: 11.15 min Scan# 3103
 Delta R.T. 0.00 min
 Lab File: VU026677.D
 Acq: 11 Sep 2018 10:57

Tgt Ion:105 Resp: 21527
 Ion Ratio Lower Upper
 105 100
 120 44.9 23.3 69.8

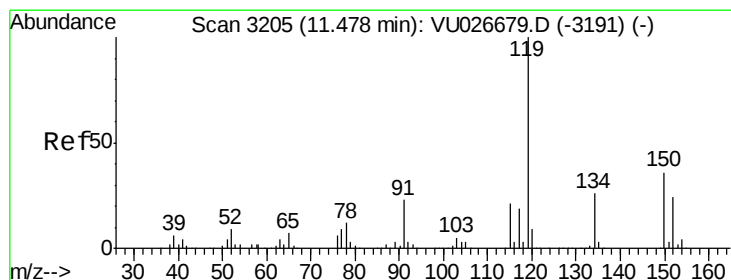
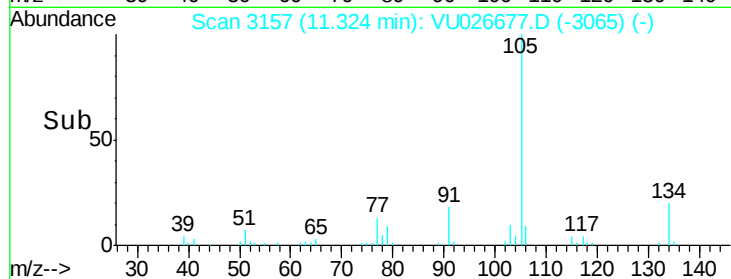
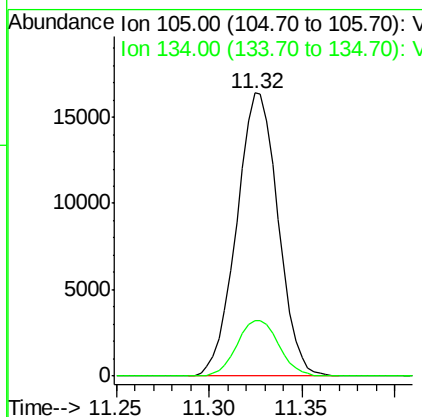
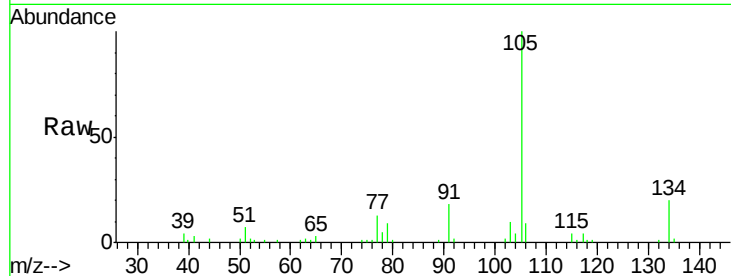




#85
 sec-Butylbenzene
 Concen: 4.86 ug/l
 RT: 11.32 min Scan# 3157
 Delta R.T. -0.00 min
 Lab File: VU026677.D
 Acq: 11 Sep 2018 10:57

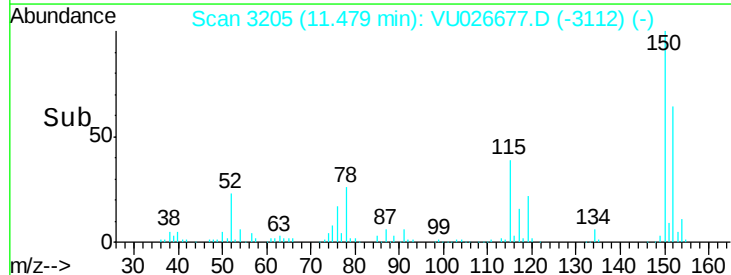
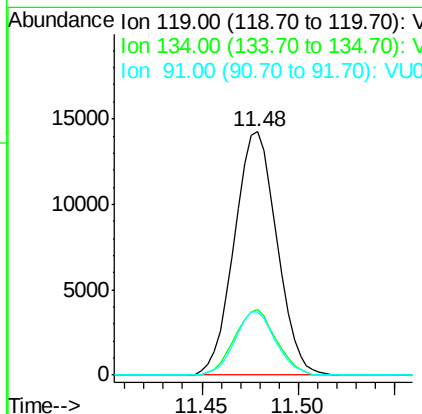
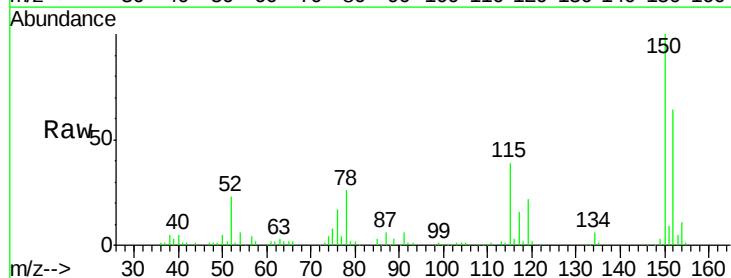
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

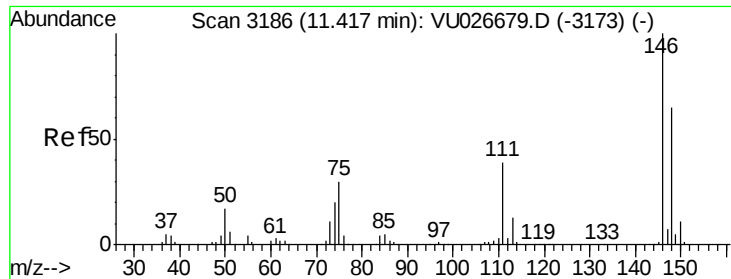
Tot Ion:105 Resp: 25503
 Ion Ratio Lower Upper
 105 100
 134 19.8 10.1 30.1



#86
 p-Isopropyltoluene
 Concen: 4.77 ug/l
 RT: 11.48 min Scan# 3205
 Delta R.T. 0.00 min
 Lab File: VU026677.D
 Acq: 11 Sep 2018 10:57

Tgt Ion:119 Resp: 21818
 Ion Ratio Lower Upper
 119 100
 134 26.2 13.2 39.5
 91 24.8 11.6 34.8

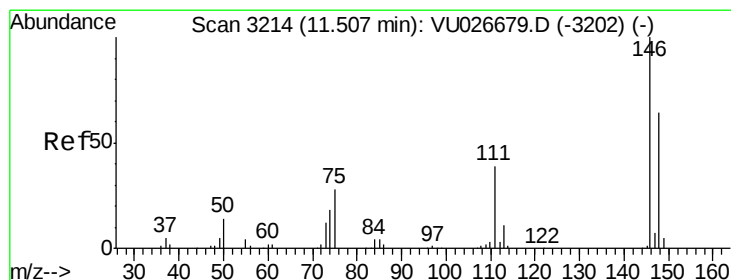
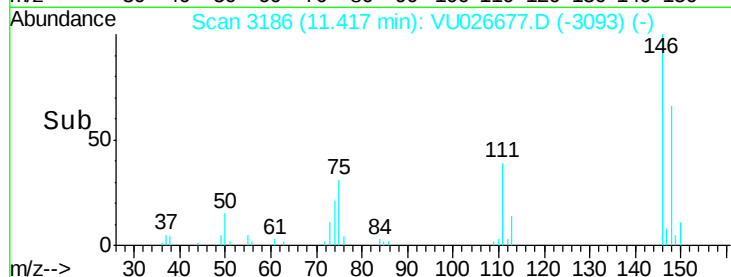
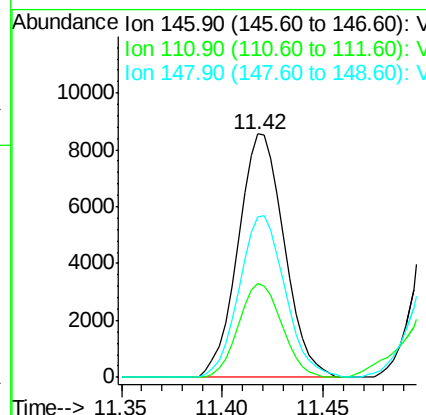
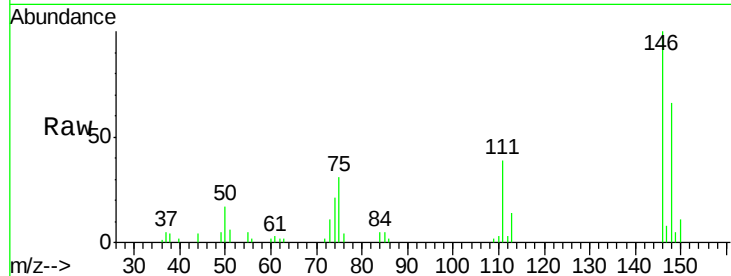




#87
 1,3-Dichlorobenzene
 Concen: 5.22 ug/l
 RT: 11.42 min Scan# 3186
 Delta R.T. 0.00 min
 Lab File: VU026677.D
 Acq: 11 Sep 2018 10:57

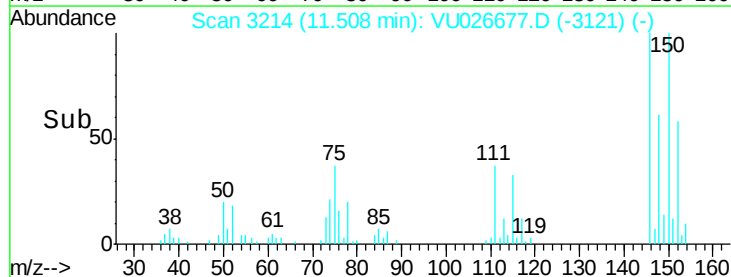
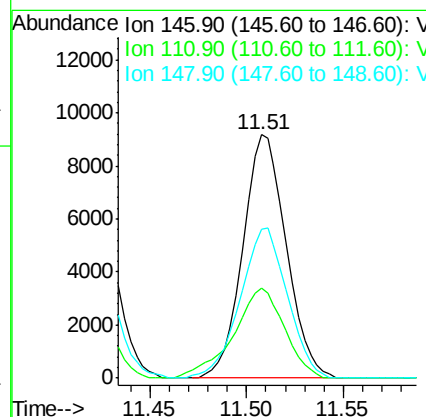
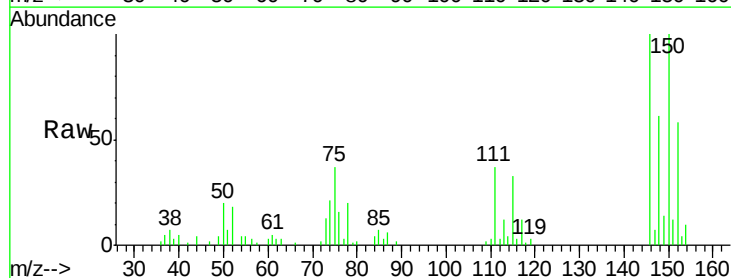
Instrument :
 MSVOA_U
 ClientSampled :
 VSTDIC005

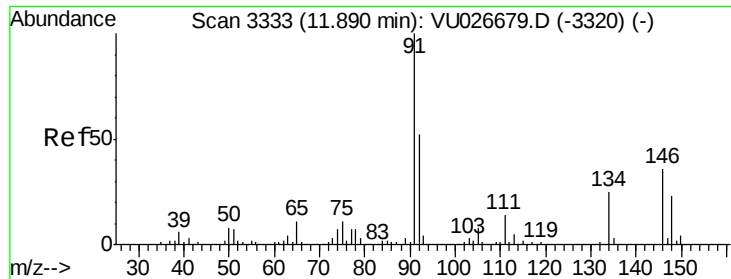
Tot Ion:146 Resp: 13728
 Ion Ratio Lower Upper
 146 100
 111 36.2 19.7 59.1
 148 65.9 32.1 96.3



#88
 1,4-Dichlorobenzene
 Concen: 5.24 ug/l
 RT: 11.51 min Scan# 3214
 Delta R.T. 0.00 min
 Lab File: VU026677.D
 Acq: 11 Sep 2018 10:57

Tgt Ion:146 Resp: 14301
 Ion Ratio Lower Upper
 146 100
 111 43.4 19.2 57.6
 148 66.8 32.1 96.3

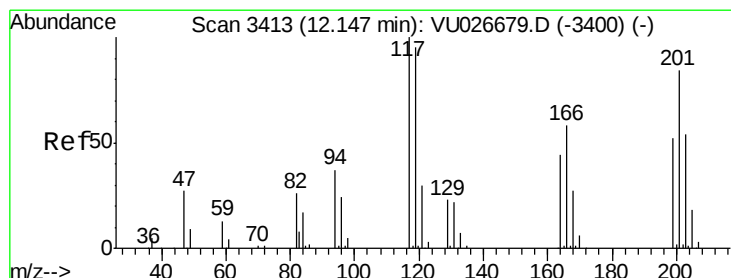
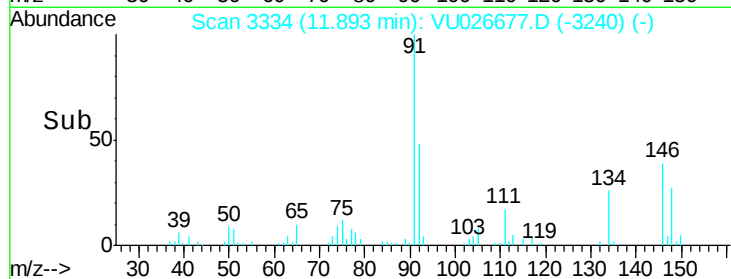
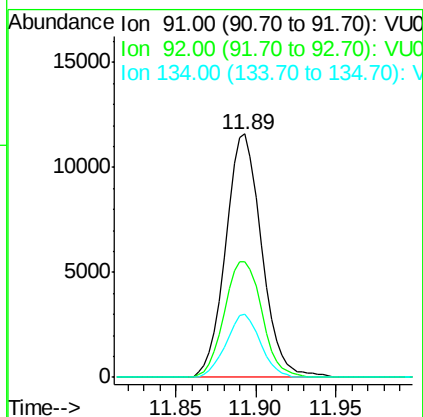
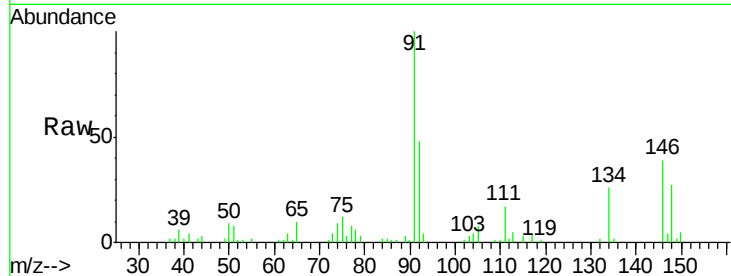




#89
n-Butylbenzene
Concen: 4.45 ug/l
RT: 11.89 min Scan# 3334
Delta R.T. 0.00 min
Lab File: VU026677.D
Acq: 11 Sep 2018 10:57

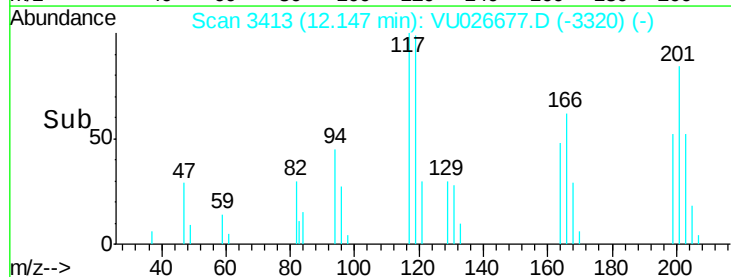
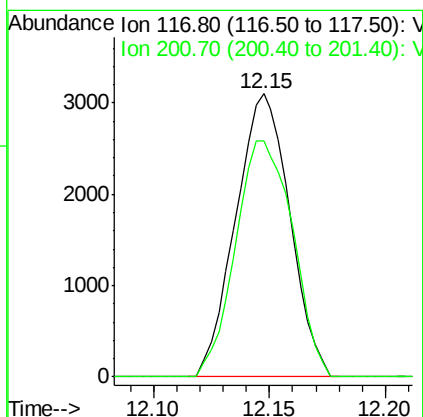
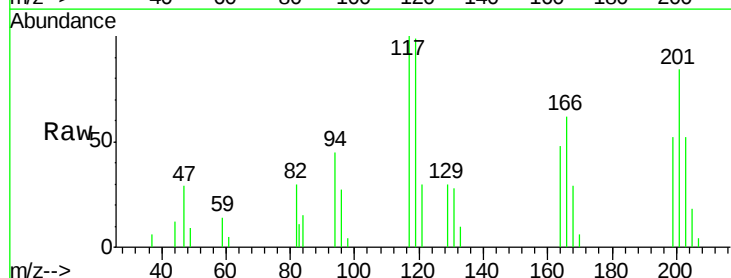
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

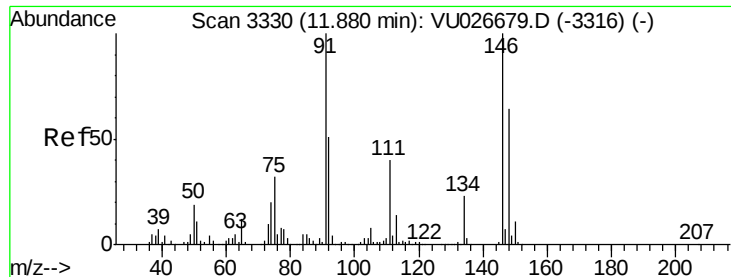
Tot Ion: 91 Resp: 17832
Ion Ratio Lower Upper
91 100
92 49.6 25.8 77.3
134 24.6 12.6 37.8



#90
Hexachloroethane
Concen: 5.42 ug/l
RT: 12.15 min Scan# 3413
Delta R.T. 0.00 min
Lab File: VU026677.D
Acq: 11 Sep 2018 10:57

Tgt Ion: 117 Resp: 5020
Ion Ratio Lower Upper
117 100
201 88.2 42.4 127.1





#91

1,2-Dichlorobenzene

Concen: 5.14 ug/l

RT: 11.88 min Scan# 3330

Delta R.T. 0.00 min

Lab File: VU026677.D

Acq: 11 Sep 2018 10:57

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

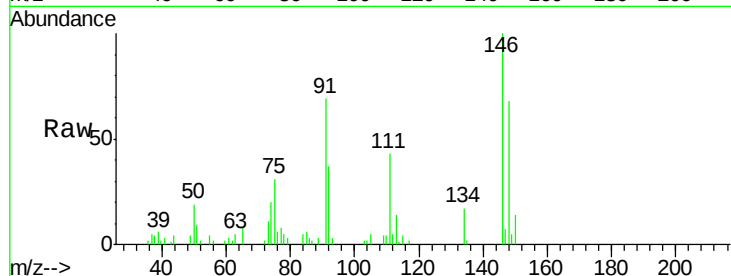
Tot Ion:146 Resp: 13589

Ion Ratio Lower Upper

146 100

111 42.6 20.3 60.8

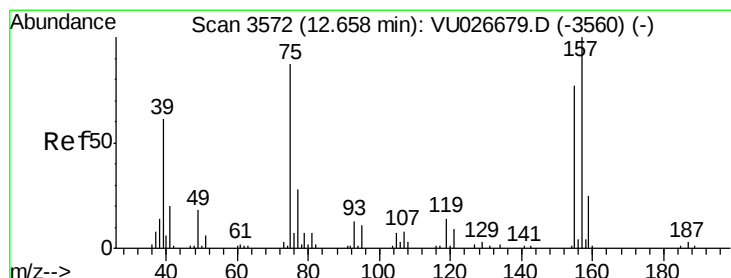
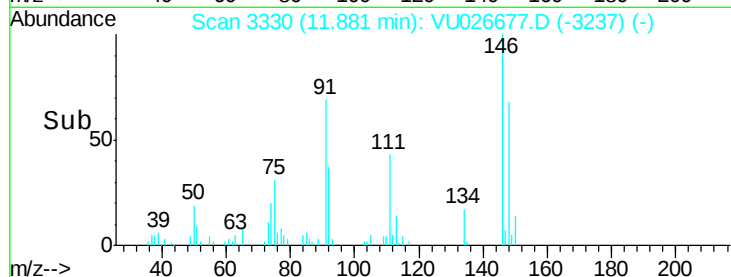
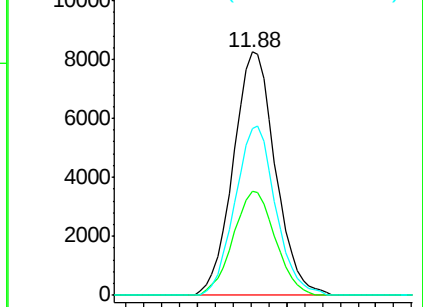
148 67.0 32.1 96.3



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



#92

1,2-Dibromo-3-Chloropropane

Concen: 5.31 ug/l

RT: 12.66 min Scan# 3572

Delta R.T. 0.00 min

Lab File: VU026677.D

Acq: 11 Sep 2018 10:57

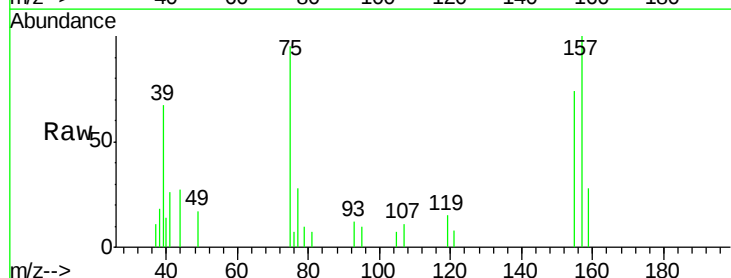
Tgt Ion: 75 Resp: 2247

Ion Ratio Lower Upper

75 100

155 89.2 44.1 132.4

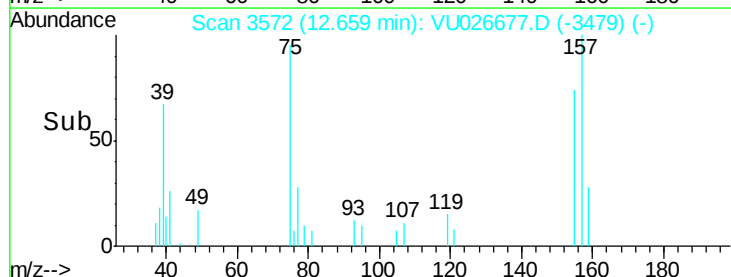
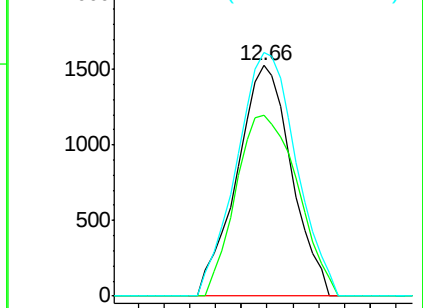
157 115.3 57.2 171.6

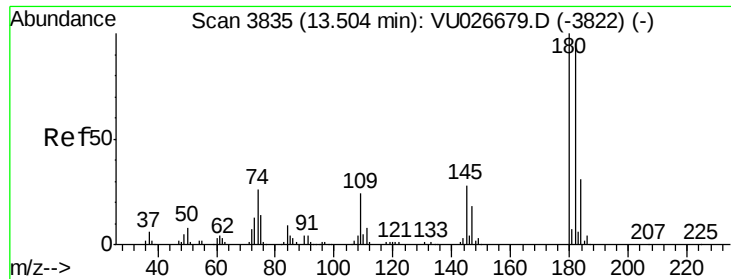


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

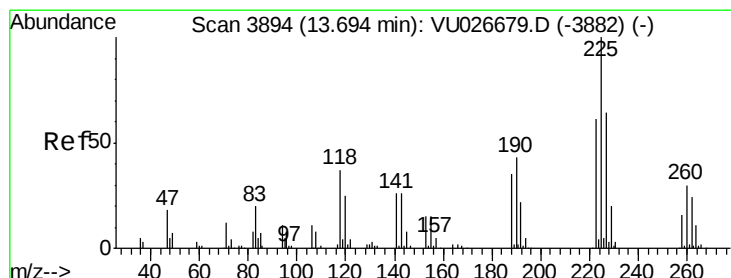
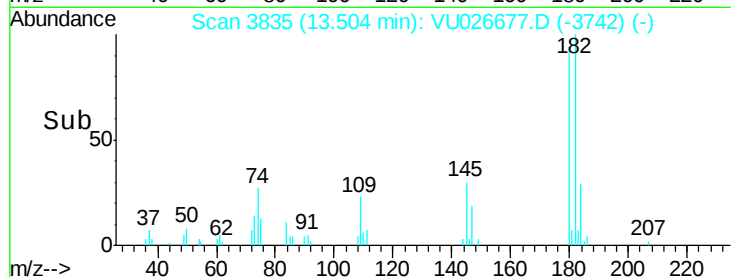
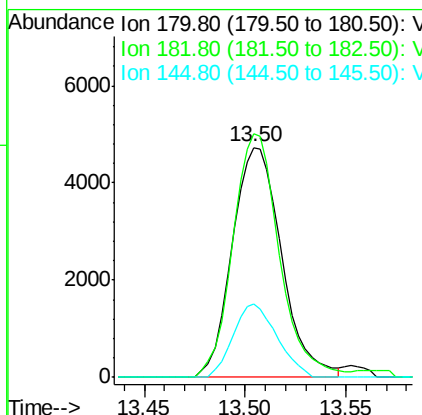
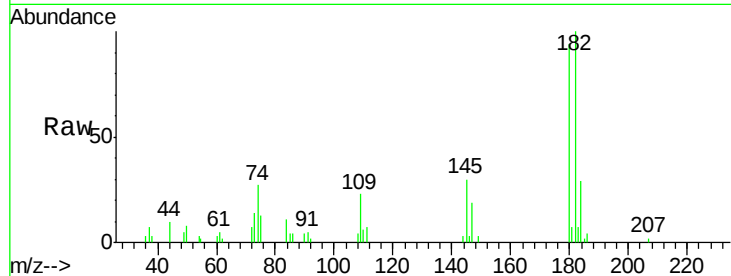




#93
 1,2,4-Trichlorobenzene
 Concen: 4.62 ug/l
 RT: 13.50 min Scan# 3835
 Delta R.T. 0.00 min
 Lab File: VU026677.D
 Acq: 11 Sep 2018 10:57

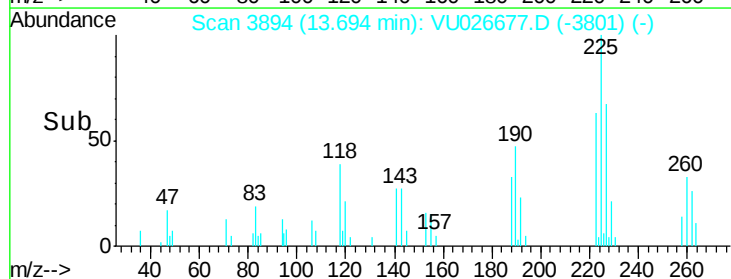
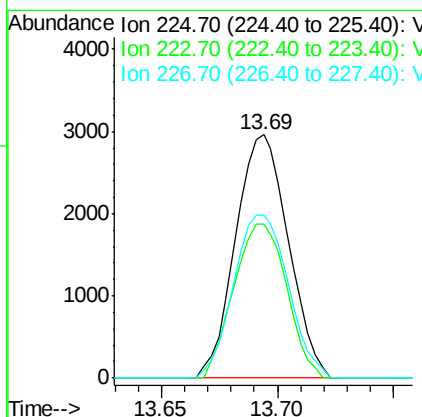
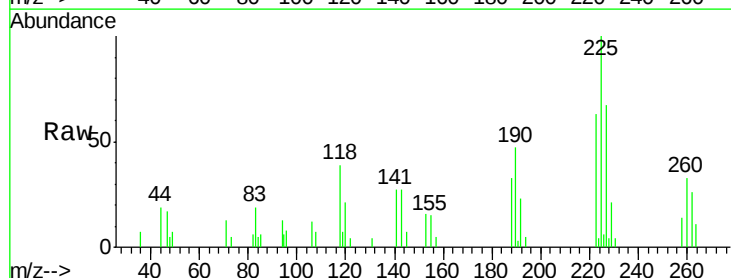
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

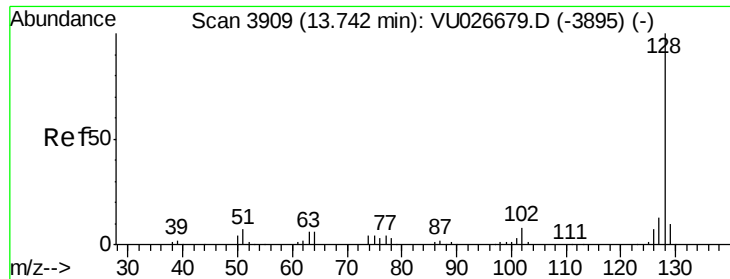
Tot Ion:180 Resp: 8102
 Ion Ratio Lower Upper
 180 100
 182 100.2 47.9 143.7
 145 28.4 14.0 42.0



#94
 Hexachlorobutadiene
 Concen: 5.18 ug/l
 RT: 13.69 min Scan# 3894
 Delta R.T. 0.00 min
 Lab File: VU026677.D
 Acq: 11 Sep 2018 10:57

Tgt Ion:225 Resp: 4681
 Ion Ratio Lower Upper
 225 100
 223 63.4 30.6 92.0
 227 69.2 32.1 96.3

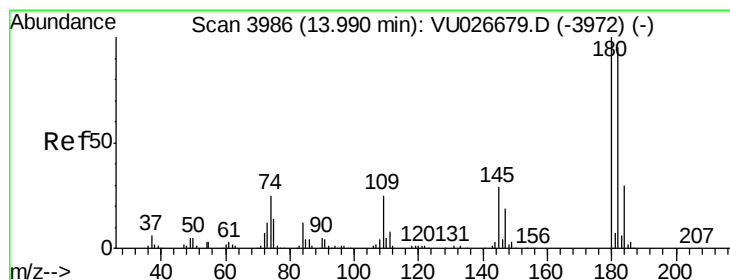
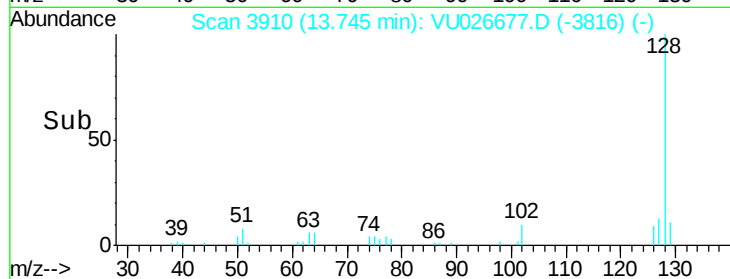
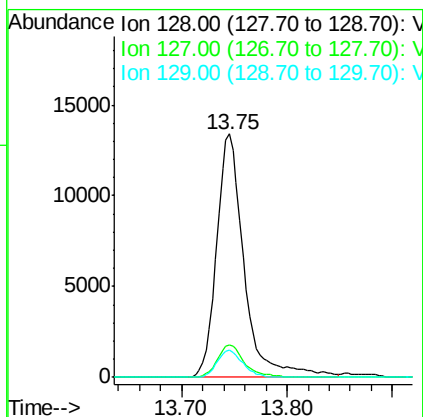
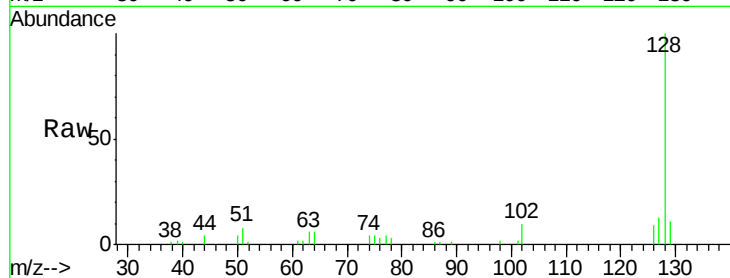




#95
Naphthalene
Concen: 4.57 ug/l
RT: 13.75 min Scan# 3910
Delta R.T. 0.00 min
Lab File: VU026677.D
Acq: 11 Sep 2018 10:57

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

Tot Ion:128 Resp: 24280
Ion Ratio Lower Upper
128 100
127 13.2 10.4 15.6
129 10.1 8.6 12.8



#96
1,2,3-Trichlorobenzene
Concen: 4.92 ug/l
RT: 13.99 min Scan# 3986
Delta R.T. 0.00 min
Lab File: VU026677.D
Acq: 11 Sep 2018 10:57

Tgt Ion:180 Resp: 9025
Ion Ratio Lower Upper
180 100
182 94.0 47.9 143.7
145 28.4 14.9 44.9

