

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU091218\
 Data File : VU026684.D
 Acq On : 11 Sep 2018 17:24
 Operator : MD/SY
 Sample : VU0911MBS01
 Misc : 5.00g/10mL/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0912MBS01

Quant Time: Sep 12 05:38:44 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U091218W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 12 05:32:45 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	107786	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	167115	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	158816	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	90890	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.31	65	86463	52.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.76%	
35) Dibromofluoromethane	4.88	113	70806	51.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.88%	
50) Toluene-d8	7.57	98	258878	51.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.70%	
62) 4-Bromofluorobenzene	10.31	95	90113	49.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.64%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.21	85	24079	20.677	ug/l	98
3) Chloromethane	1.33	50	31796	19.543	ug/l	98
4) Vinyl Chloride	1.40	62	34424	20.417	ug/l	99
5) Bromomethane	1.62	94	20420	19.337	ug/l	99
6) Chloroethane	1.69	64	21867	20.379	ug/l	97
7) Trichlorofluoromethane	1.88	101	45597	20.687	ug/l	97
8) Diethyl Ether	2.10	74	19663	20.358	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.29	101	28078	21.450	ug/l	99
10) Methyl Iodide	2.41	142	19062	22.280	ug/l	98
11) Tert butyl alcohol	2.83	59	39028	97.927	ug/l	100
12) 1,1-Dichloroethene	2.28	96	25897	20.928	ug/l	95
13) Acrolein	2.19	56	23669	88.128	ug/l	98
14) Allyl chloride	2.59	41	44503	19.968	ug/l	97
15) Acrylonitrile	2.94	53	90360	105.721	ug/l	99
16) Acetone	2.32	43	104596	112.989	ug/l	100
17) Carbon Disulfide	2.48	76	78150	19.849	ug/l	98
18) Methyl Acetate	2.62	43	43432	21.744	ug/l	100
19) Methyl tert-butyl Ether	3.00	73	88735	20.826	ug/l	99
20) Methylene Chloride	2.70	84	30758	20.484	ug/l	98
21) trans-1,2-Dichloroethene	2.98	96	27497	21.093	ug/l	95
22) Diisopropyl ether	3.58	45	99712	21.437	ug/l	99
23) Vinyl Acetate	3.53	43	421274	106.618	ug/l	100
24) 1,1-Dichloroethane	3.45	63	55143	21.016	ug/l	99
25) 2-Butanone	4.26	43	134876	108.163	ug/l	100
26) 2,2-Dichloropropane	4.23	77	45227	20.969	ug/l	100
27) cis-1,2-Dichloroethene	4.23	96	31528	20.985	ug/l	99
28) Bromochloromethane	4.55	49	26373	21.019	ug/l	98
29) Tetrahydrofuran	4.64	42	80869	107.567	ug/l	100
30) Chloroform	4.67	83	54002	20.929	ug/l	96
31) Cyclohexane	5.00	56	49401	20.507	ug/l	93
32) 1,1,1-Trichloroethane	4.92	97	46287	21.666	ug/l	97
36) 1,1-Dichloropropene	5.14	75	38473	20.505	ug/l	99
37) Ethyl Acetate	4.38	43	46559	20.635	ug/l	99
38) Carbon Tetrachloride	5.13	117	40004	20.180	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	45544	20.444	ug/l	100
40) Benzene	5.39	78	120540	20.687	ug/l	99
41) Methacrylonitrile	4.54	41	25821	20.751	ug/l	99
42) 1,2-Dichloroethane	5.40	62	43135	20.760	ug/l	98
43) Isopropyl Acetate	5.55	43	72747	21.175	ug/l	98
44) Trichloroethene	6.19	130	29839	20.691	ug/l	97
45) 1,2-Dichloropropane	6.43	63	32808	20.712	ug/l	96
46) Dibromomethane	6.56	93	21344	20.881	ug/l	97
47) Bromodichloromethane	6.76	83	41295	20.516	ug/l	100
48) Methyl methacrylate	6.62	41	36250	20.412	ug/l	98
49) 1,4-Dioxane	6.61	88	17318	420.180	ug/l	96
51) 4-Methyl-2-Pentanone	7.46	43	239780	104.344	ug/l	100
52) Toluene	7.64	92	73022	21.038	ug/l	99
53) t-1,3-Dichloropropene	7.88	75	45872	20.546	ug/l	99
54) cis-1,3-Dichloropropene	7.27	75	49710	20.735	ug/l	100
55) 1,1,2-Trichloroethane	8.07	97	30471	20.490	ug/l	100
56) Ethyl methacrylate	8.02	69	45757	20.075	ug/l	99
57) 1,3-Dichloropropane	8.24	76	52399	20.673	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.13	63	130560	114.455	ug/l	99
59) 2-Hexanone	8.36	43	188001	103.953	ug/l	99
60) Dibromochloromethane	8.48	129	32938	20.451	ug/l	99
61) 1,2-Dibromoethane	8.59	107	32139	19.918	ug/l	100
64) Tetrachloroethene	8.23	164	26317	20.820	ug/l	99
65) Chlorobenzene	9.12	112	80751	20.466	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.21	131	30623	21.094	ug/l	97
67) Ethyl Benzene	9.25	91	134988	20.768	ug/l	100
68) m/p-Xylenes	9.38	106	104025	42.072	ug/l	99
69) o-Xylene	9.78	106	50873	20.016	ug/l	100
70) Styrene	9.79	104	82554	19.720	ug/l	99
71) Bromoform	9.96	173	26055	20.635	ug/l #	100
73) Isopropylbenzene	10.17	105	134884	21.778	ug/l	100
74) N-amyl acetate	10.02	43	62979	21.538	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.46	83	51881	20.554	ug/l	99
76) 1,2,3-Trichloropropane	10.50	75	59184	29.069	ug/l	81
77) Bromobenzene	10.46	156	35867	21.307	ug/l	98
78) n-propylbenzene	10.59	91	157955	21.927	ug/l	100
79) 2-Chlorotoluene	10.66	91	96316	21.569	ug/l	100
80) 1,3,5-Trimethylbenzene	10.77	105	114047	21.907	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.50	75	59184	82.070	ug/l #	100
82) 4-Chlorotoluene	10.77	91	108005	21.527	ug/l	100
83) tert-Butylbenzene	11.10	119	114653	21.701	ug/l	99
84) 1,2,4-Trimethylbenzene	11.15	105	115715	22.037	ug/l	100
85) sec-Butylbenzene	11.32	105	137506	21.916	ug/l	100
86) p-Isopropyltoluene	11.48	119	119886	20.507	ug/l	99
87) 1,3-Dichlorobenzene	11.42	146	64205	20.445	ug/l	99
88) 1,4-Dichlorobenzene	11.51	146	64621	19.814	ug/l	99
89) n-Butylbenzene	11.89	91	103374	20.001	ug/l	100
90) Hexachloroethane	12.15	117	22902	20.686	ug/l	100
91) 1,2-Dichlorobenzene	11.88	146	64094	20.289	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	11142	22.017	ug/l	99

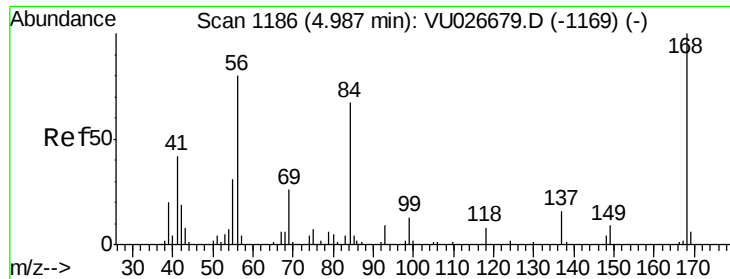
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_U\DATA\VU091218\
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Quant Title : SW846 8260
QLast Update : Wed Sep 12 05:32:45 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.50	180	43231	20.608	ug/l	99
94) Hexachlorobutadiene	13.69	225	22565	20.909	ug/l	99
95) Naphthalene	13.75	128	138327	20.218	ug/l	100
96) 1,2,3-Trichlorobenzene	13.99	180	46359	21.160	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.99 min Scan# 1186

Delta R.T. 0.00 min

Lab File: VU026684.D

Acq: 11 Sep 2018 17:24

Instrument :

MSVOA_U

ClientSampleId :

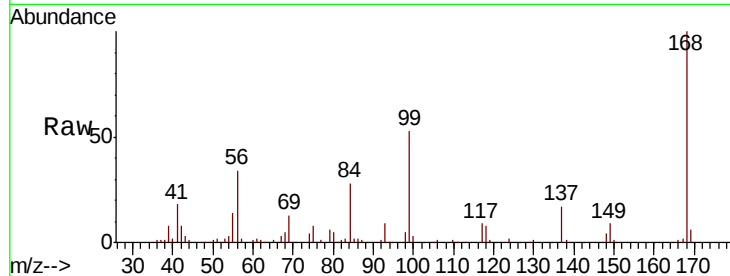
VU0912MBS01

Tgt Ion:168 Resp: 107786

Ion Ratio Lower Upper

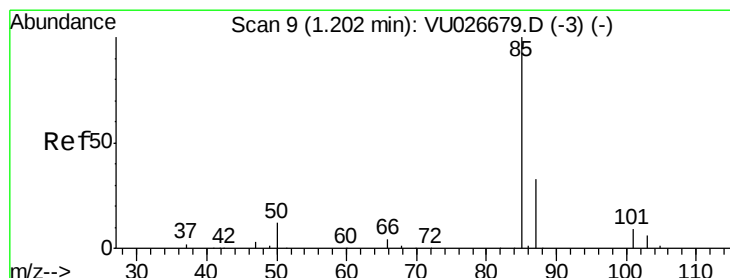
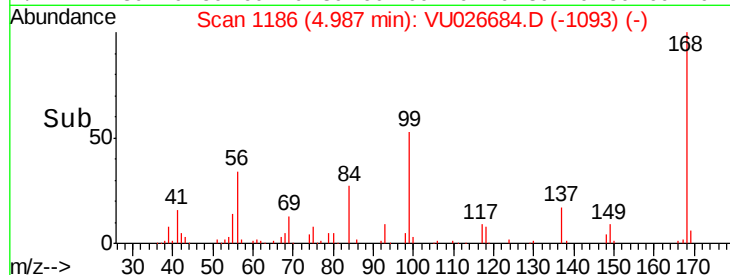
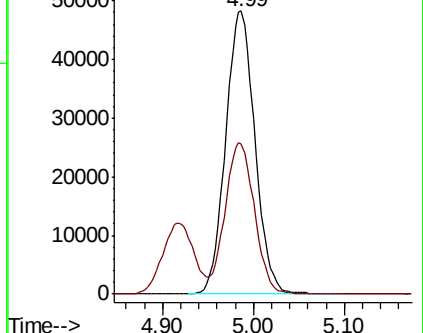
168 100

99 52.9 42.0 63.0



Abundance Ion 167.90 (167.60 to 168.60): VU026679.D (-1169) (-)

Ion 98.90 (98.60 to 99.60): VU026679.D (-1169) (-)



#2

Dichlorodifluoromethane

Concen: 20.677 ug/l

RT: 1.21 min Scan# 10

Delta R.T. 0.00 min

Lab File: VU026684.D

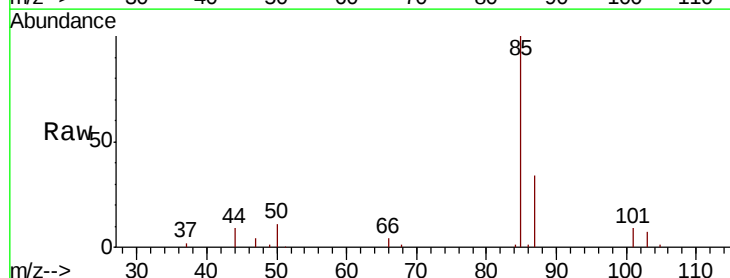
Acq: 11 Sep 2018 17:24

Tgt Ion: 85 Resp: 24079

Ion Ratio Lower Upper

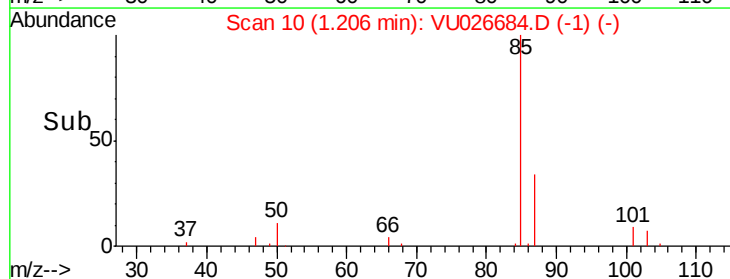
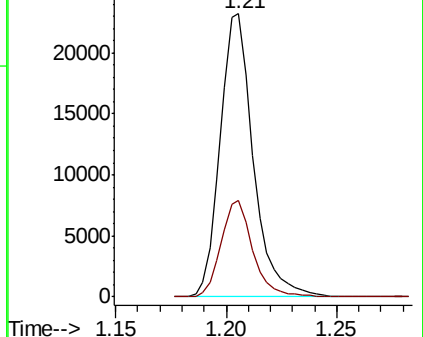
85 100

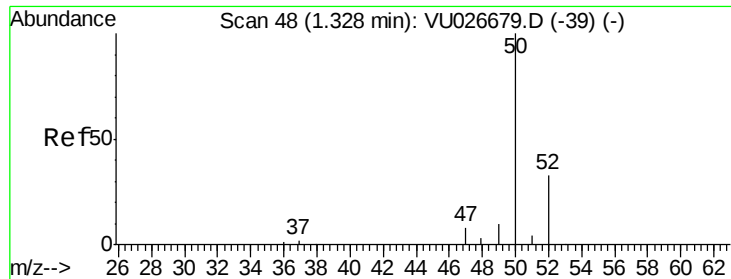
87 34.0 16.6 49.7



Abundance Ion 84.90 (84.60 to 85.60): VU026679.D (-3) (-)

Ion 86.90 (86.60 to 87.60): VU026679.D (-3) (-)

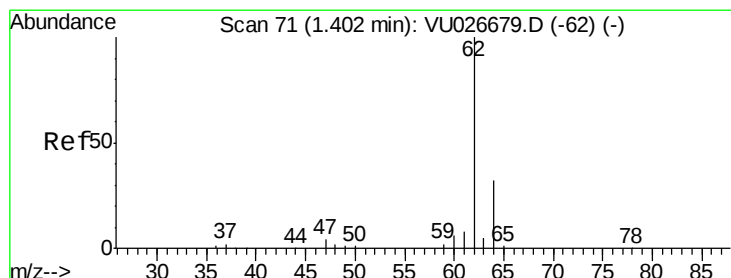
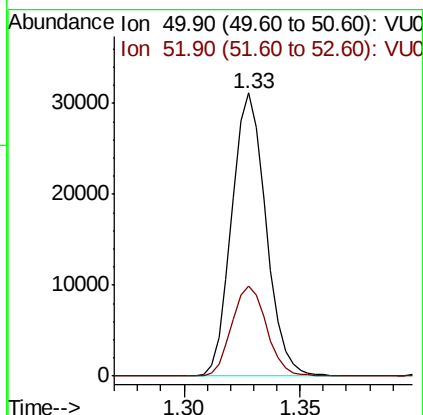
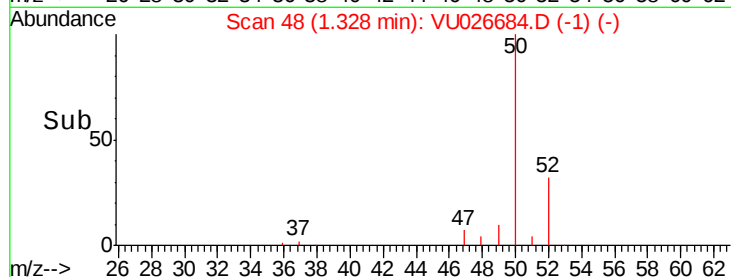
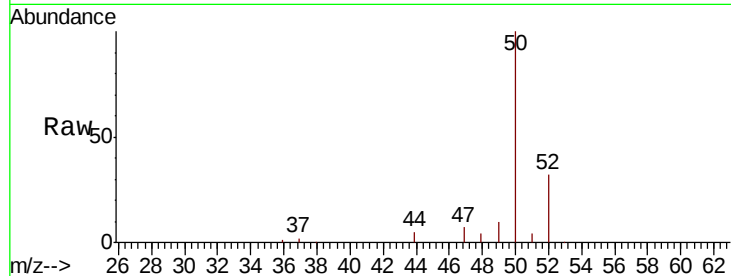




#3
Chloromethane
Concen: 19.543 ug/l
RT: 1.33 min Scan# 48
Delta R.T. 0.00 min
Lab File: VU026684.D
Acq: 11 Sep 2018 17:24

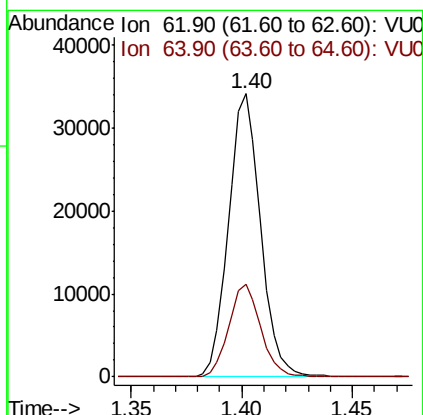
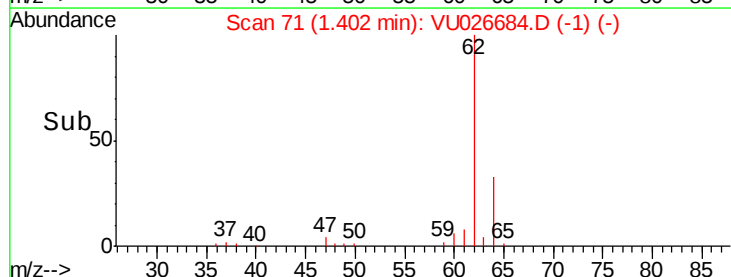
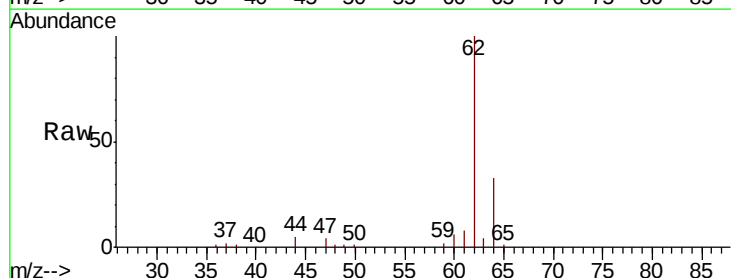
Instrument :
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VU0912MBS01

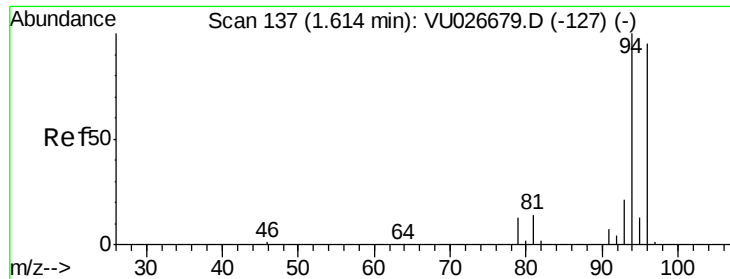
Tgt Ion: 50 Resp: 31796
Ion Ratio Lower Upper
50 100
52 32.0 26.3 39.5



#4
Vinyl Chloride
Concen: 20.417 ug/l
RT: 1.40 min Scan# 71
Delta R.T. 0.00 min
Lab File: VU026684.D
Acq: 11 Sep 2018 17:24

Tgt Ion: 62 Resp: 34424
Ion Ratio Lower Upper
62 100
64 32.7 25.6 38.4





#5

Bromomethane

Concen: 19.337 ug/l

RT: 1.62 min Scan# 139

Delta R.T. 0.01 min

Lab File: VU026684.D

Acq: 11 Sep 2018 17:24

Instrument :

MSVOA_U

ClientSampleId :

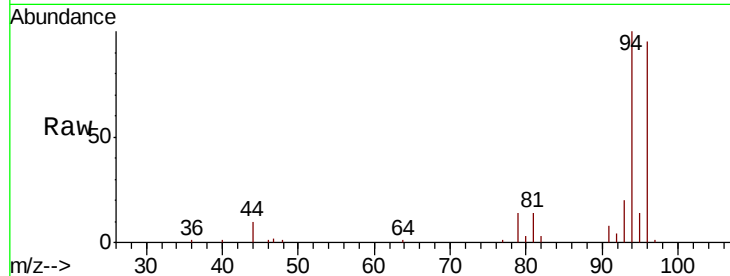
VU0912MBS01

Tgt Ion: 94 Resp: 20420

Ion Ratio Lower Upper

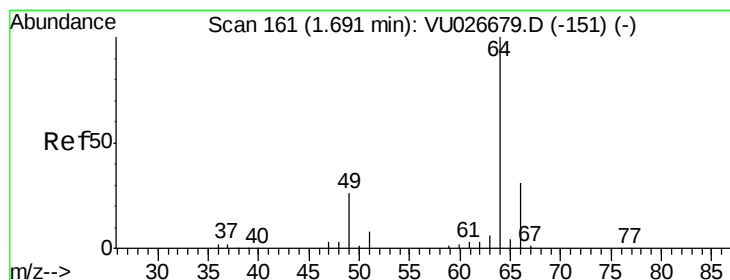
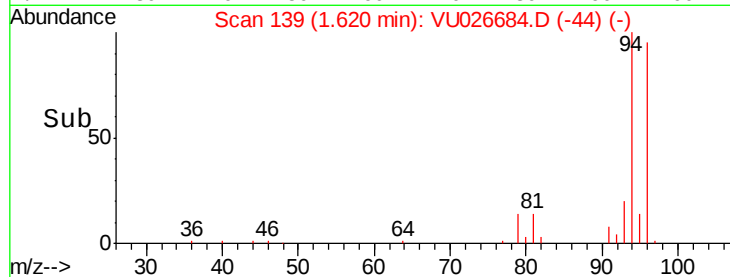
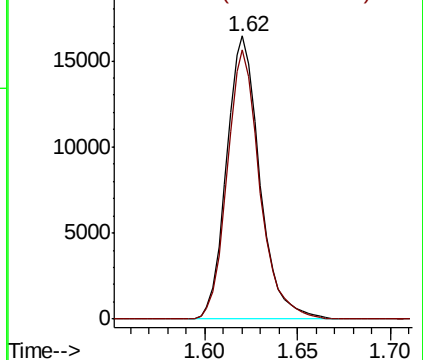
94 100

96 95.2 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: 20.379 ug/l

RT: 1.69 min Scan# 162

Delta R.T. 0.00 min

Lab File: VU026684.D

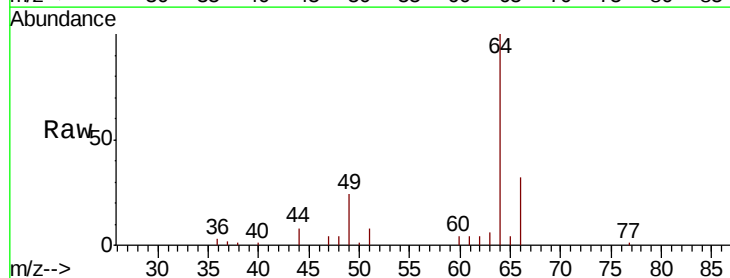
Acq: 11 Sep 2018 17:24

Tgt Ion: 64 Resp: 21867

Ion Ratio Lower Upper

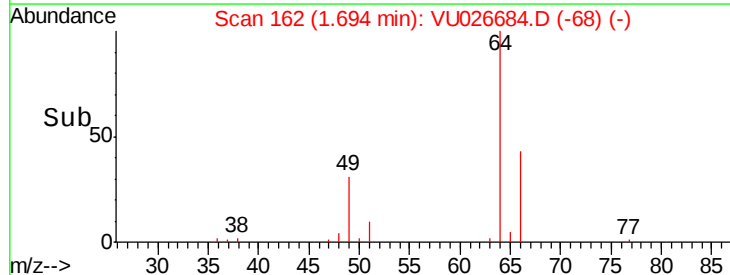
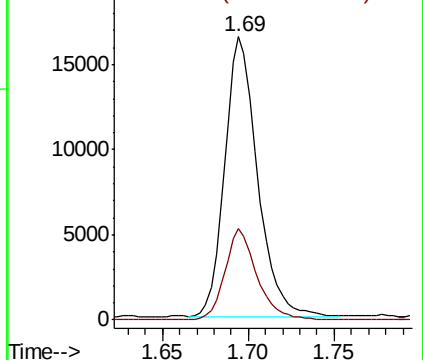
64 100

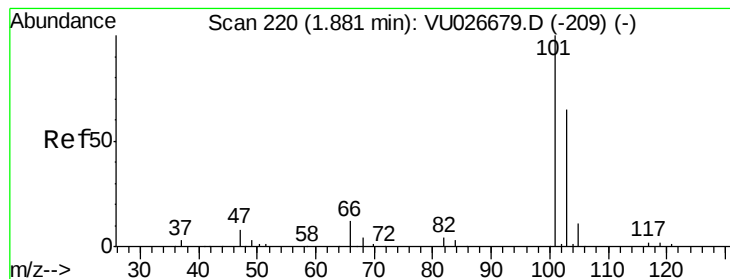
66 32.5 24.7 37.1



Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0



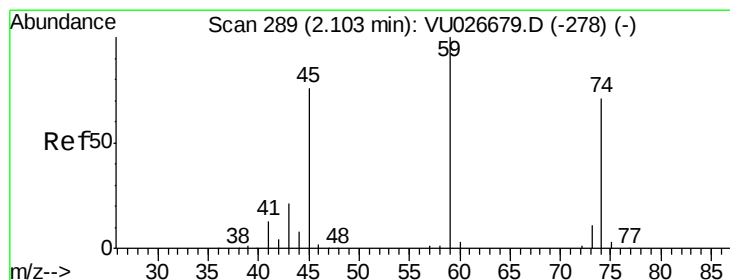
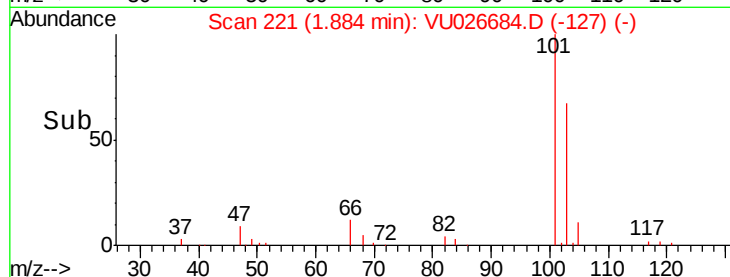
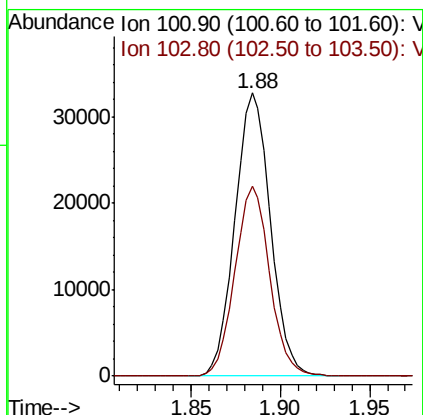
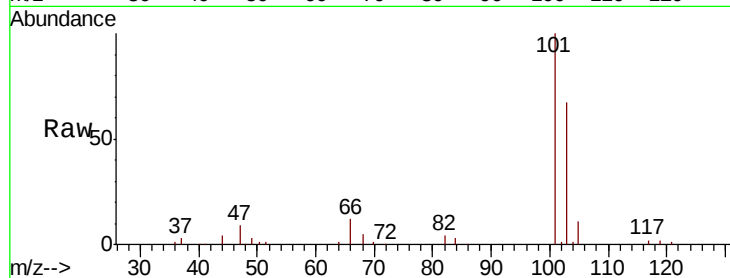


#7

Trichlorofluoromethane
 Concen: 20.687 ug/l
 RT: 1.88 min Scan# 221
 Delta R.T. 0.00 min
 Lab File: VU026684.D
 Acq: 11 Sep 2018 17:24

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0912MBS01

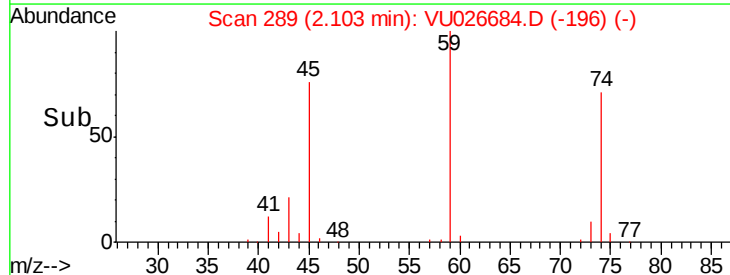
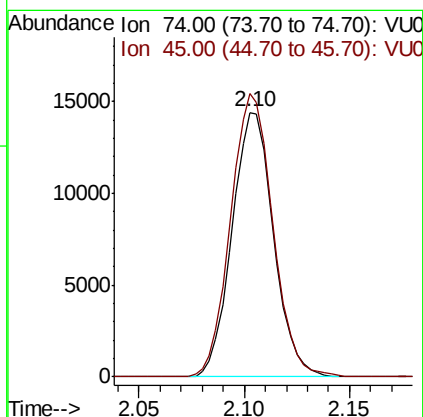
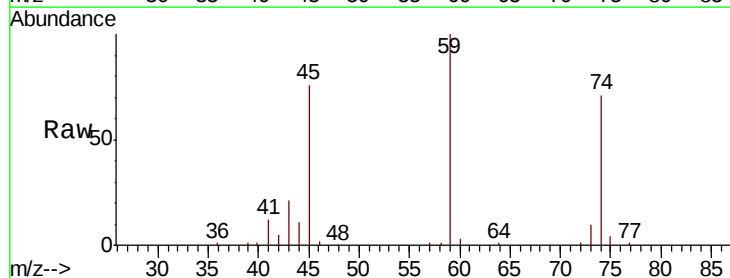
Tgt Ion:101 Resp: 45597
 Ion Ratio Lower Upper
 101 100
 103 67.0 51.7 77.5

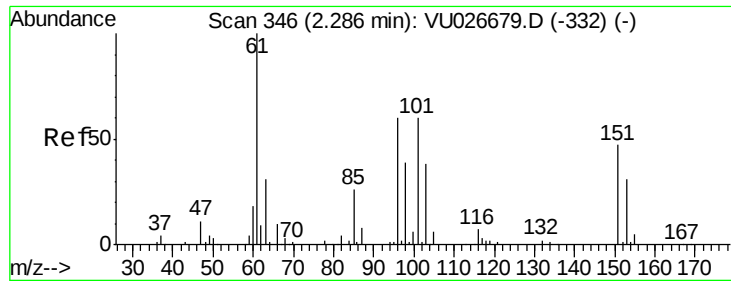


#8

Diethyl Ether
 Concen: 20.358 ug/l
 RT: 2.10 min Scan# 289
 Delta R.T. 0.00 min
 Lab File: VU026684.D
 Acq: 11 Sep 2018 17:24

Tgt Ion: 74 Resp: 19663
 Ion Ratio Lower Upper
 74 100
 45 109.0 53.6 160.8

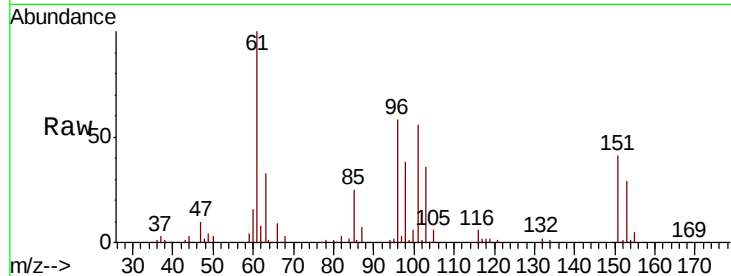




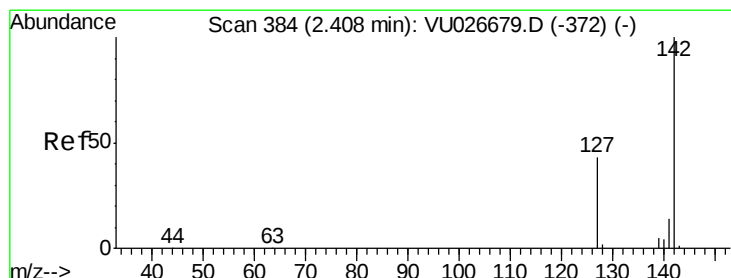
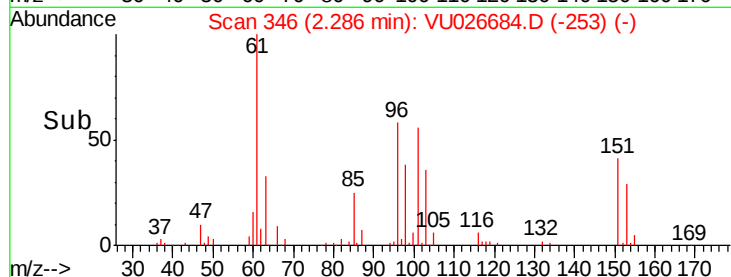
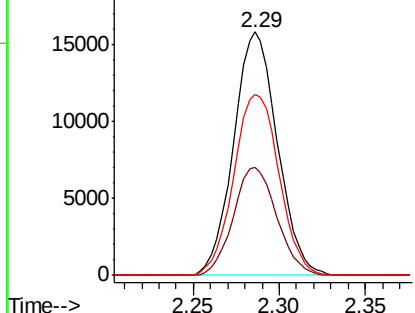
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 21.450 ug/l
 RT: 2.29 min Scan# 346
 Delta R.T. 0.00 min
 Lab File: VU026684.D
 Acq: 11 Sep 2018 17:24

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0912MBS01

Tgt Ion:101 Resp: 28078
 Ion Ratio Lower Upper
 101 100
 85 43.8 34.6 52.0
 151 76.9 62.7 94.1

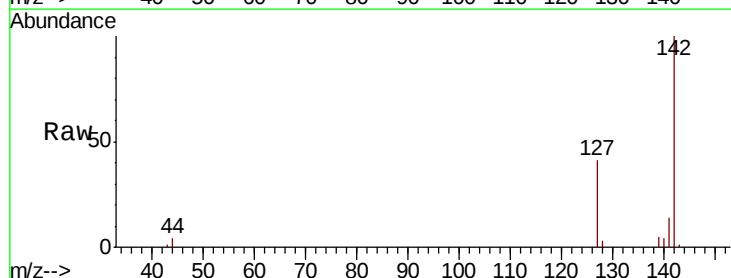


Abundance Ion 100.90 (100.60 to 101.60): V
 Ion 84.90 (84.60 to 85.60): VU0
 Ion 150.80 (150.50 to 151.50): V

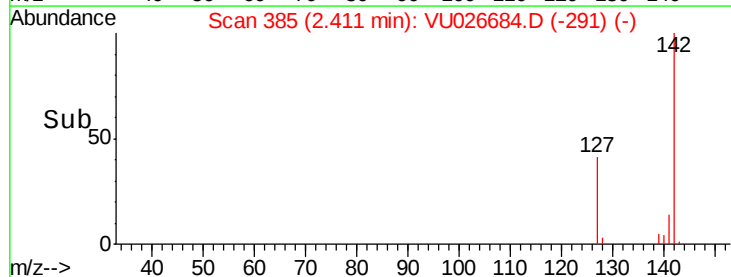
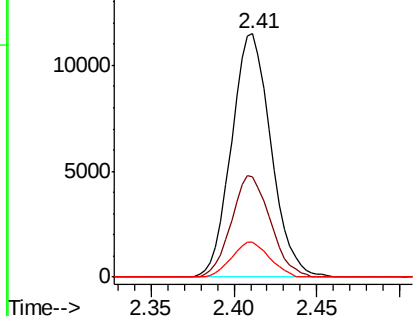


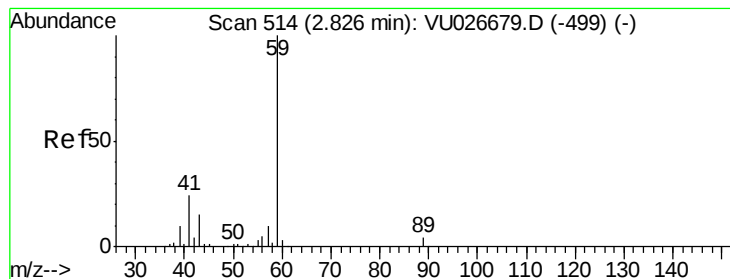
#10
 Methyl Iodide
 Concen: 22.280 ug/l
 RT: 2.41 min Scan# 385
 Delta R.T. 0.00 min
 Lab File: VU026684.D
 Acq: 11 Sep 2018 17:24

Tgt Ion:142 Resp: 19062
 Ion Ratio Lower Upper
 142 100
 127 40.9 34.1 51.1
 141 13.8 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: 97.927 ug/l

RT: 2.83 min Scan# 514

Delta R.T. 0.00 min

Lab File: VU026684.D

Acq: 11 Sep 2018 17:24

Instrument :

MSVOA_U

ClientSampleId :

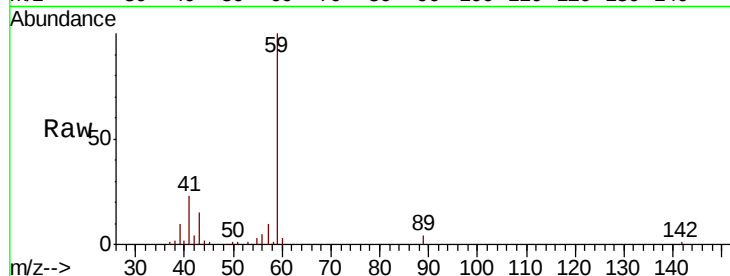
VU0912MBS01

Tgt Ion: 59 Resp: 39028

Ion Ratio Lower Upper

59 100

57 10.1 8.0 12.0



Abundance Ion 59.00 (58.70 to 59.70): VU0

Ion 57.00 (56.70 to 57.70): VU0

2.83

20000

15000

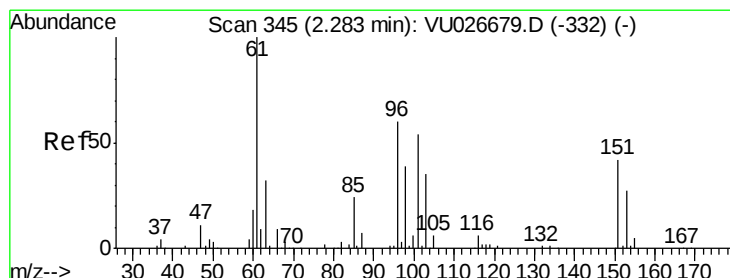
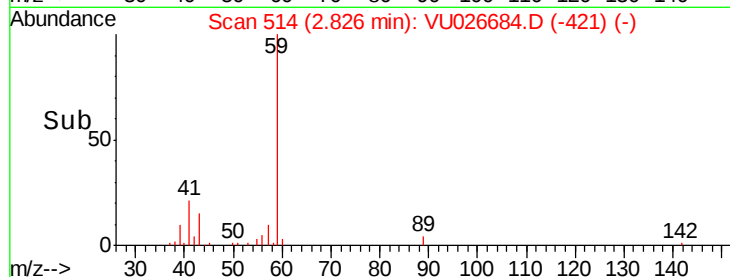
10000

5000

0

Time-->

2.75 2.80 2.85 2.90



#12

1,1-Dichloroethene

Concen: 20.928 ug/l

RT: 2.28 min Scan# 345

Delta R.T. 0.00 min

Lab File: VU026684.D

Acq: 11 Sep 2018 17:24

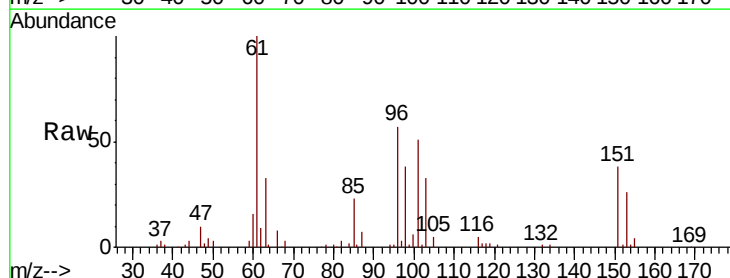
Tgt Ion: 96 Resp: 25897

Ion Ratio Lower Upper

96 100

61 173.9 133.0 199.6

98 65.5 51.3 76.9



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

40000

30000

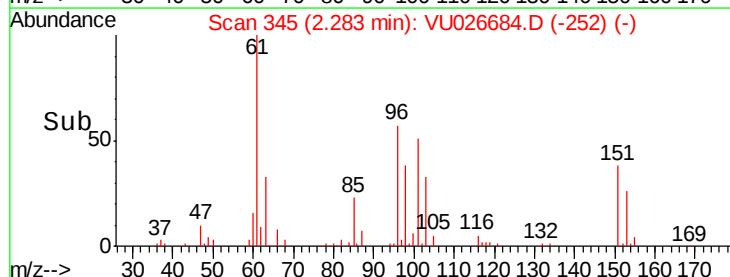
20000

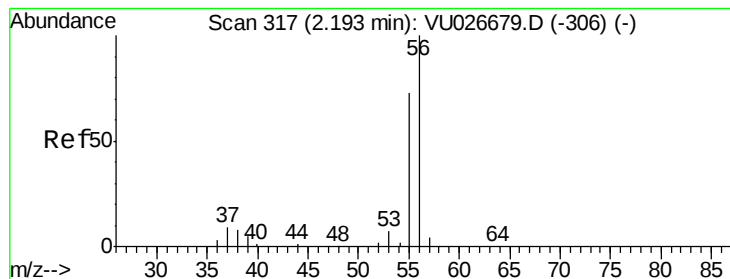
10000

0

Time-->

2.25 2.30 2.35





#13

Acrolein

Concen: 88.128 ug/l

RT: 2.19 min Scan# 317

Delta R.T. 0.00 min

Lab File: VU026684.D

Acq: 11 Sep 2018 17:24

Instrument :

MSVOA_U

ClientSampleId :

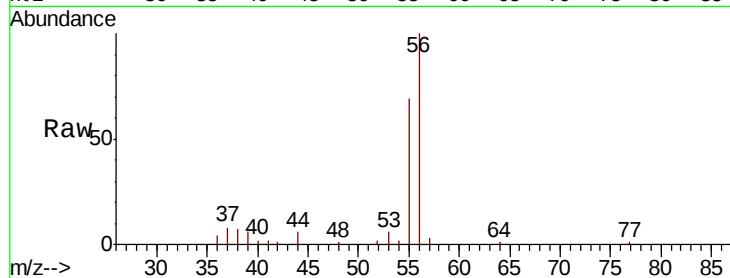
VU0912MBS01

Tgt Ion: 56 Resp: 23669

Ion Ratio Lower Upper

56 100

55 70.4 57.4 86.2



Abundance Ion 56.00 (55.70 to 56.70): VU026679.D (-306) (-)

Ion 55.00 (54.70 to 55.70): VU026679.D (-306) (-)

2.19

15000

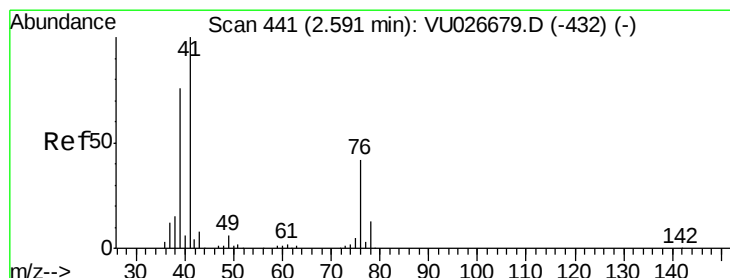
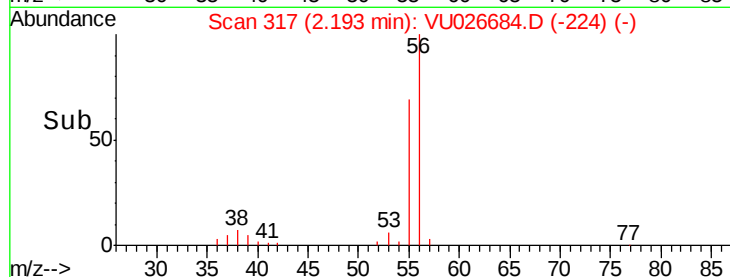
10000

5000

0

Time-->

2.15 2.20 2.25



#14

Allyl chloride

Concen: 19.968 ug/l

RT: 2.59 min Scan# 441

Delta R.T. 0.00 min

Lab File: VU026684.D

Acq: 11 Sep 2018 17:24

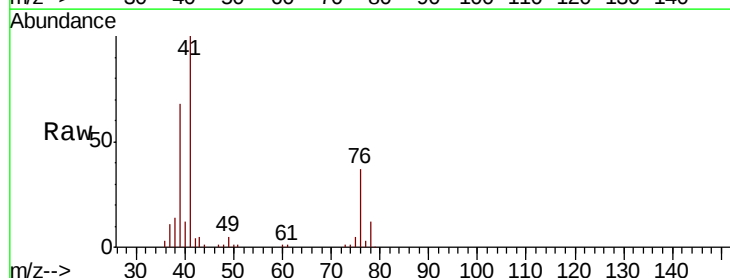
Tgt Ion: 41 Resp: 44503

Ion Ratio Lower Upper

41 100

39 67.6 56.9 85.3

76 36.9 29.7 44.5



Abundance Ion 41.00 (40.70 to 41.70): VU026679.D (-432) (-)

Ion 39.00 (38.70 to 39.70): VU026679.D (-432) (-)

Ion 75.90 (75.60 to 76.60): VU026679.D (-432) (-)

2.59

30000

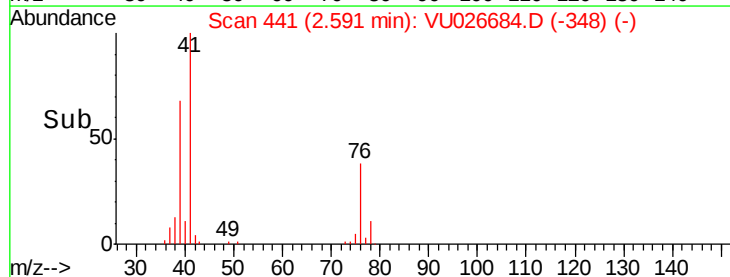
20000

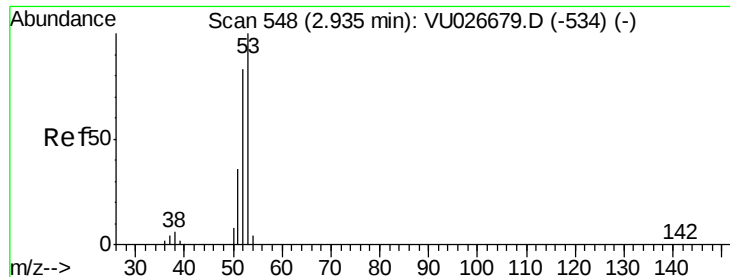
10000

0

Time-->

2.55 2.60 2.65 2.70





#15

Acrylonitrile

Concen: 105.721 ug/l

RT: 2.94 min Scan# 548

Delta R.T. 0.00 min

Lab File: VU026684.D

Acq: 11 Sep 2018 17:24

Instrument :

MSVOA_U

ClientSampleId :

VU0912MBS01

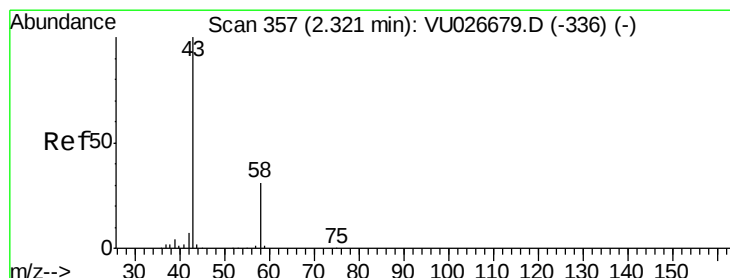
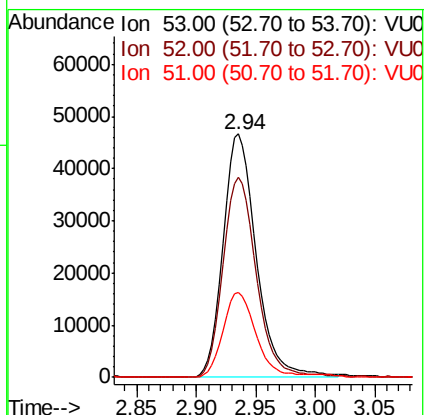
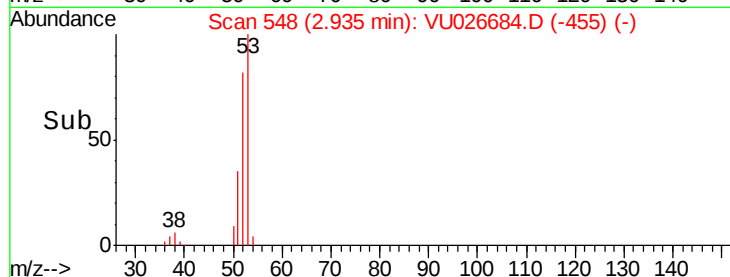
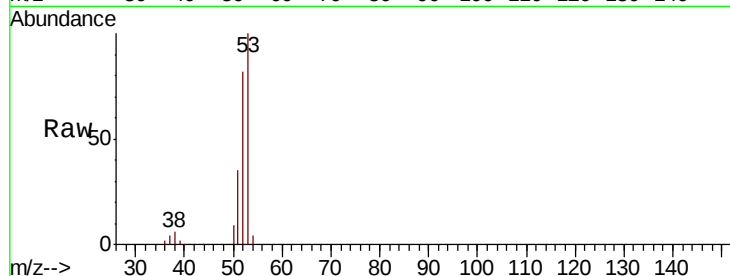
Tgt Ion: 53 Resp: 90360

Ion Ratio Lower Upper

53 100

52 82.7 65.8 98.8

51 35.6 27.7 41.5



#16

Acetone

Concen: 112.989 ug/l

RT: 2.32 min Scan# 357

Delta R.T. 0.00 min

Lab File: VU026684.D

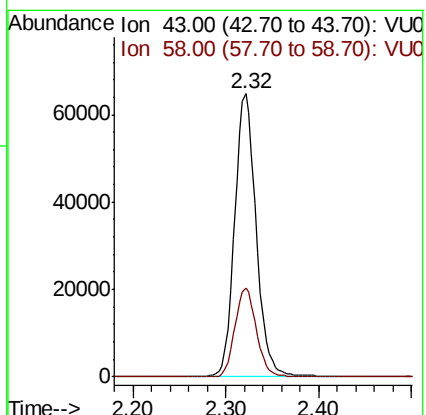
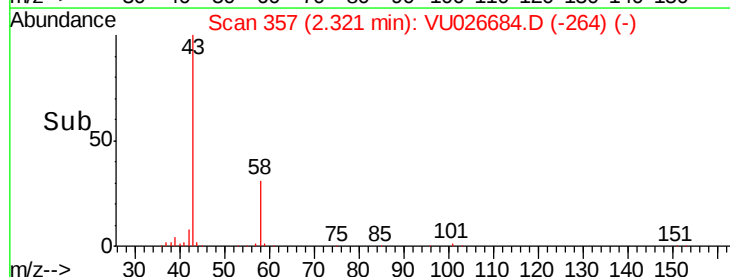
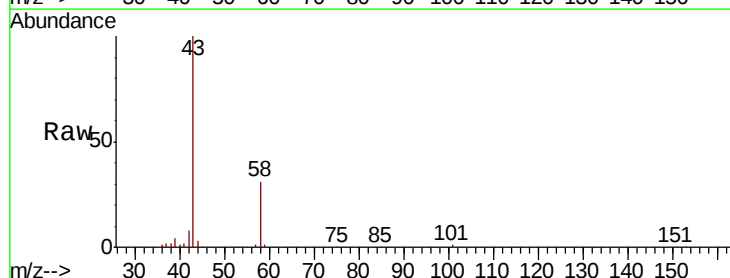
Acq: 11 Sep 2018 17:24

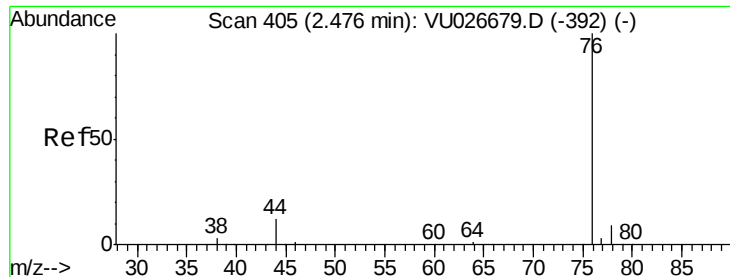
Tgt Ion: 43 Resp: 104596

Ion Ratio Lower Upper

43 100

58 31.3 25.1 37.7





#17

Carbon Disulfide

Concen: 19.849 ug/l

RT: 2.48 min Scan# 405

Delta R.T. 0.00 min

Lab File: VU026684.D

Acq: 11 Sep 2018 17:24

Instrument :

MSVOA_U

ClientSampleId :

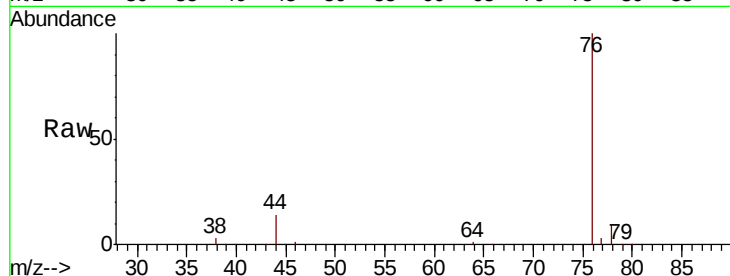
VU0912MBS01

Tgt Ion: 76 Resp: 78150

Ion Ratio Lower Upper

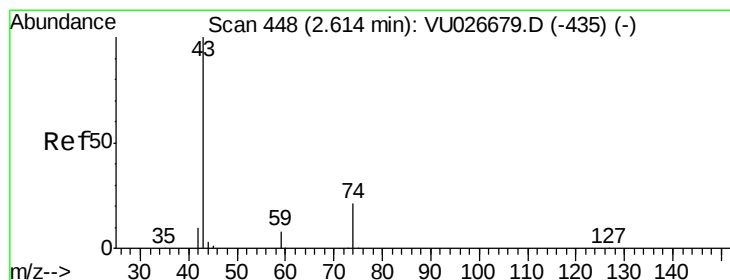
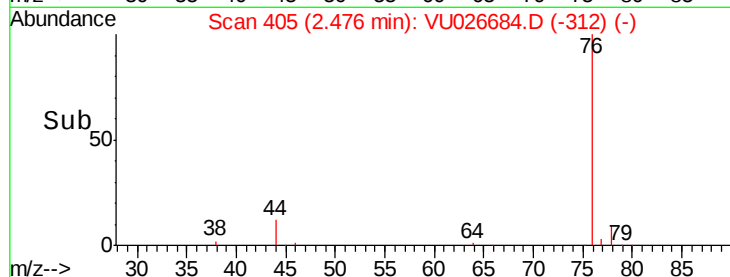
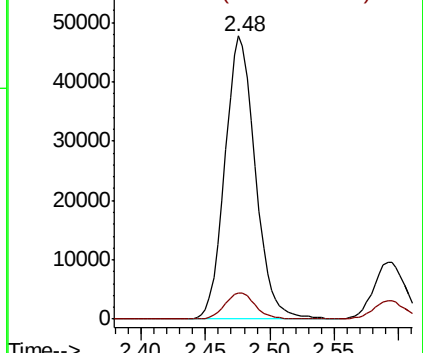
76 100

78 9.4 7.0 10.6



Abundance Ion 75.90 (75.60 to 76.60): VU0

Ion 77.90 (77.60 to 78.60): VU0



#18

Methyl Acetate

Concen: 21.744 ug/l

RT: 2.62 min Scan# 449

Delta R.T. 0.00 min

Lab File: VU026684.D

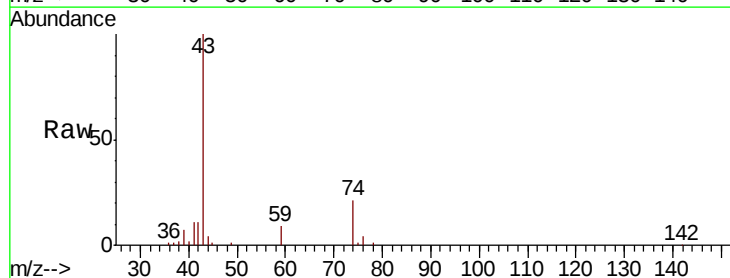
Acq: 11 Sep 2018 17:24

Tgt Ion: 43 Resp: 43432

Ion Ratio Lower Upper

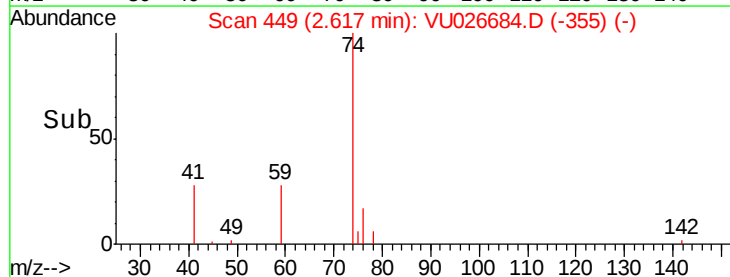
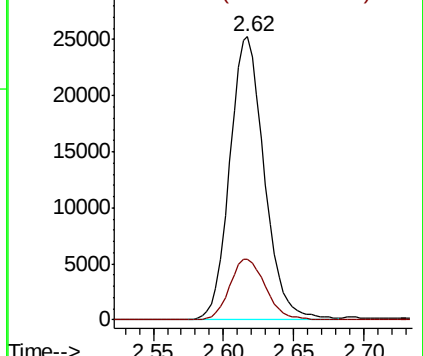
43 100

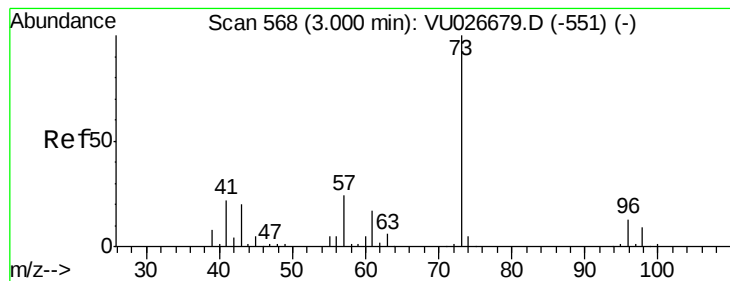
74 22.1 17.7 26.5



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 74.00 (73.70 to 74.70): VU0



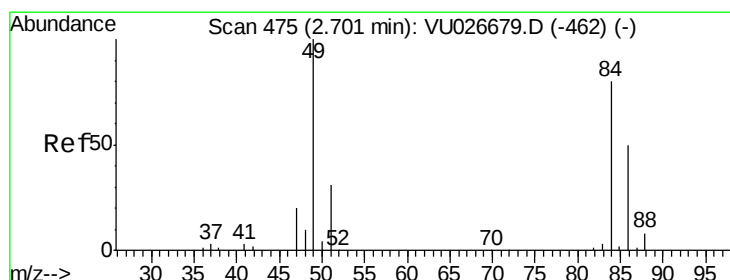
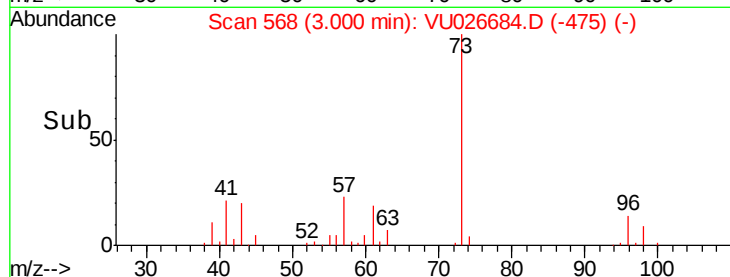
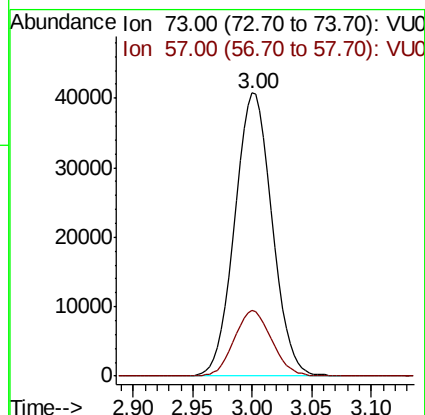
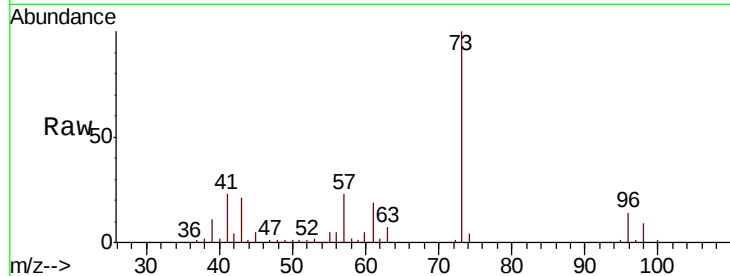


#19

Methyl tert-butyl Ether
 Concen: 20.826 ug/l
 RT: 3.00 min Scan# 568
 Delta R.T. 0.00 min
 Lab File: VU026684.D
 Acq: 11 Sep 2018 17:24

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0912MBS01

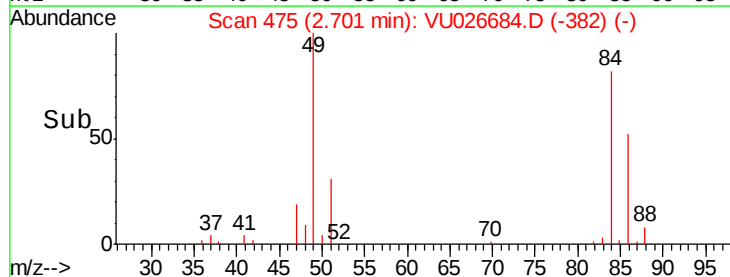
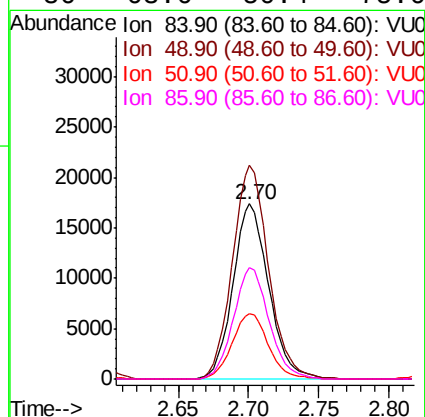
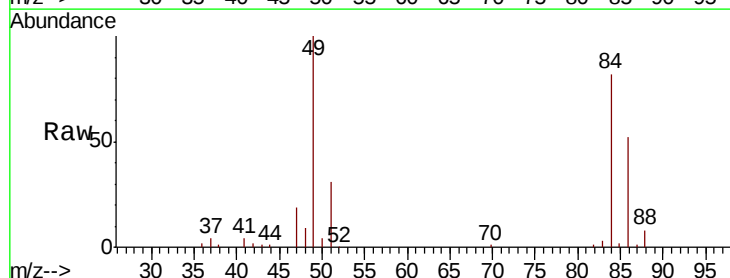
Tgt Ion: 73 Resp: 88735
 Ion Ratio Lower Upper
 73 100
 57 23.1 18.9 28.3

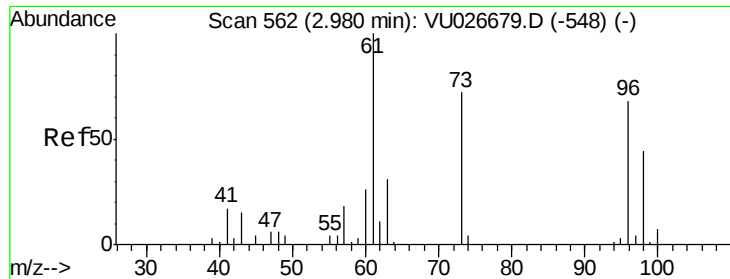


#20

Methylene Chloride
 Concen: 20.484 ug/l
 RT: 2.70 min Scan# 475
 Delta R.T. 0.00 min
 Lab File: VU026684.D
 Acq: 11 Sep 2018 17:24

Tgt Ion: 84 Resp: 30758
 Ion Ratio Lower Upper
 84 100
 49 122.0 100.6 151.0
 51 37.6 30.9 46.3
 86 63.6 50.4 75.6





#21

trans-1,2-Dichloroethene

Concen: 21.093 ug/l

RT: 2.98 min Scan# 563

Delta R.T. 0.00 min

Lab File: VU026684.D

Acq: 11 Sep 2018 17:24

Instrument :

MSVOA_U

ClientSampleId :

VU0912MBS01

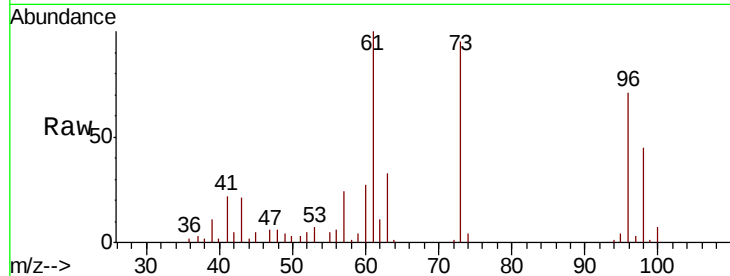
Tgt Ion: 96 Resp: 27497

Ion Ratio Lower Upper

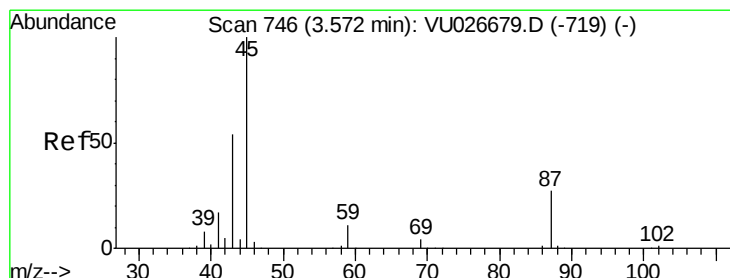
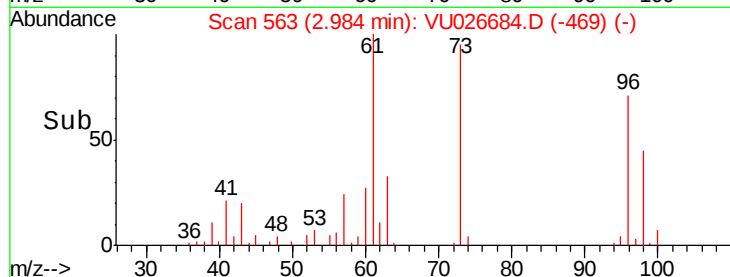
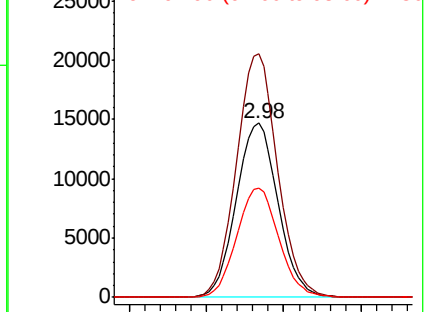
96 100

61 140.0 117.7 176.5

98 63.0 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: 21.437 ug/l

RT: 3.58 min Scan# 747

Delta R.T. 0.00 min

Lab File: VU026684.D

Acq: 11 Sep 2018 17:24

Tgt Ion: 45 Resp: 99712

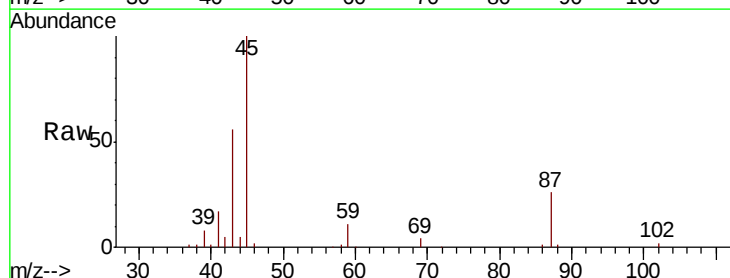
Ion Ratio Lower Upper

45 100

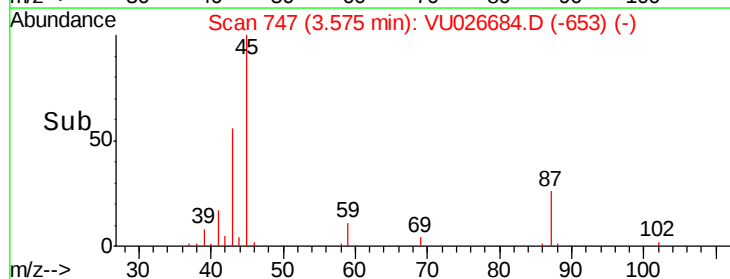
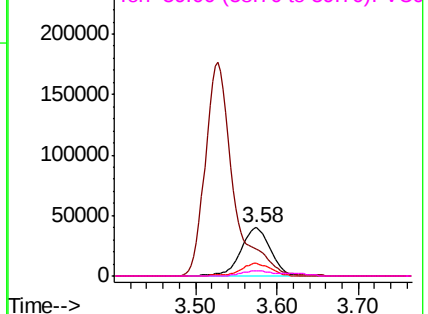
43 55.2 44.6 67.0

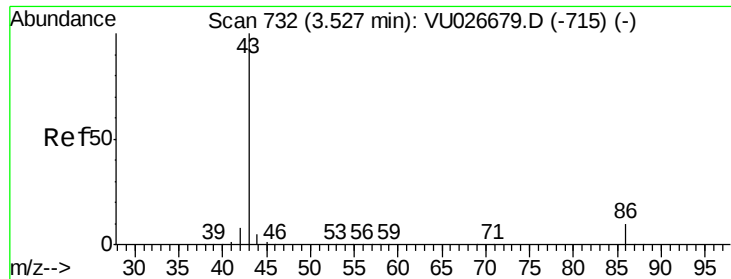
87 25.7 21.4 32.0

59 11.2 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: 106.618 ug/l

RT: 3.53 min Scan# 732

Delta R.T. 0.00 min

Lab File: VU026684.D

Acq: 11 Sep 2018 17:24

Instrument :

MSVOA_U

ClientSampleId :

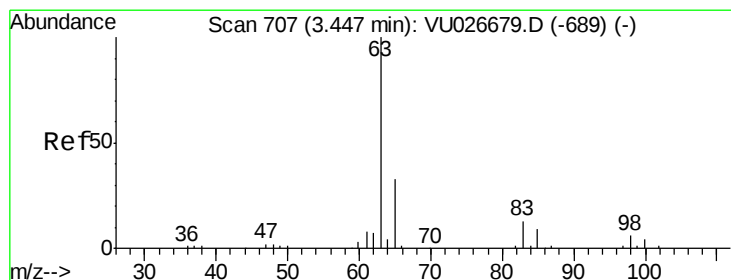
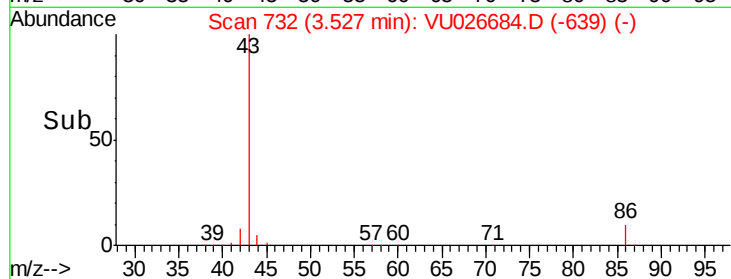
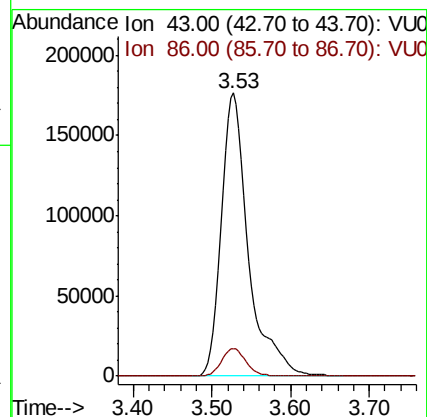
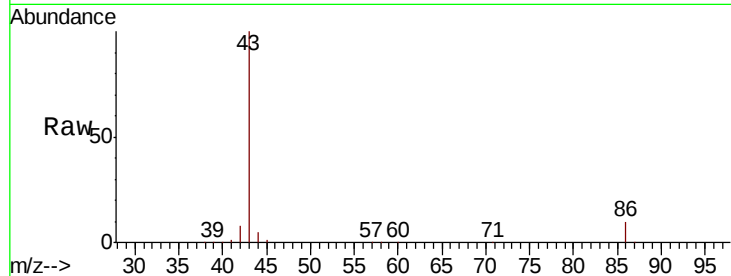
VU0912MBS01

Tgt Ion: 43 Resp: 421274

Ion Ratio Lower Upper

43 100

86 9.9 7.8 11.8



#24

1,1-Dichloroethane

Concen: 21.016 ug/l

RT: 3.45 min Scan# 707

Delta R.T. 0.00 min

Lab File: VU026684.D

Acq: 11 Sep 2018 17:24

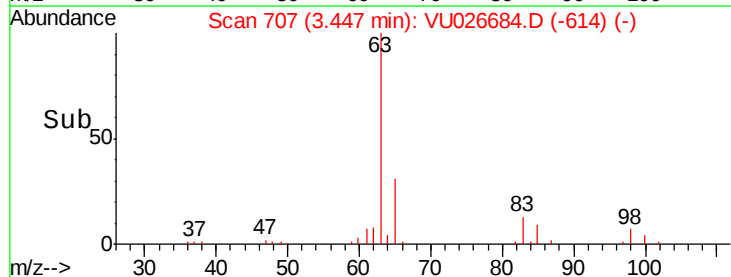
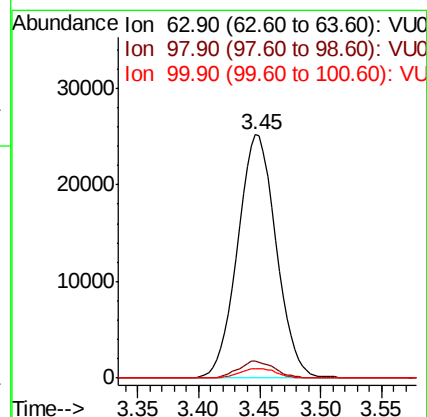
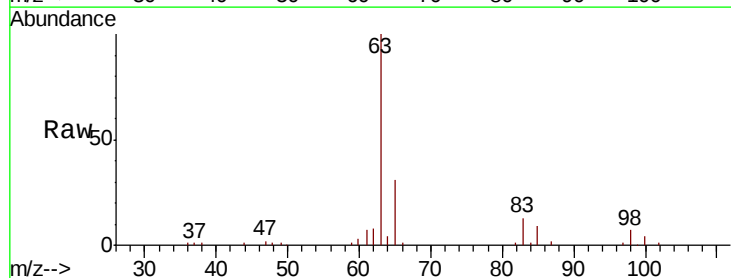
Tgt Ion: 63 Resp: 55143

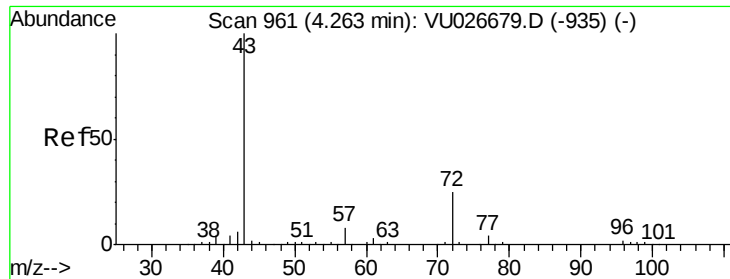
Ion Ratio Lower Upper

63 100

98 6.9 3.1 9.4

100 3.9 2.0 6.0





#25

2-Butanone

Concen: 108.163 ug/l

RT: 4.26 min Scan# 961

Delta R.T. 0.00 min

Lab File: VU026684.D

Acq: 11 Sep 2018 17:24

Instrument :

MSVOA_U

ClientSampleId :

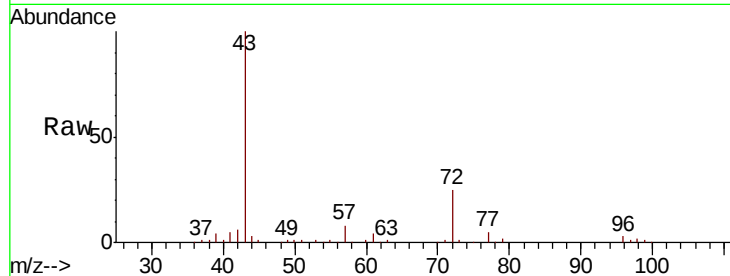
VU0912MBS01

Tgt Ion: 43 Resp: 134876

Ion Ratio Lower Upper

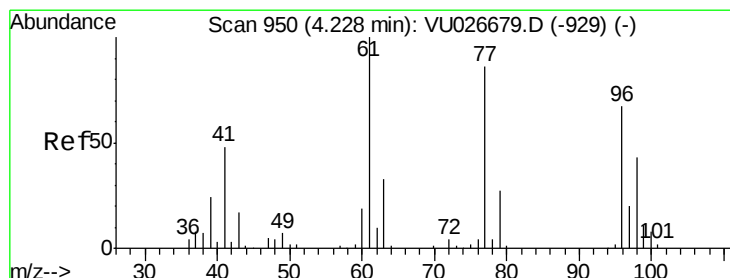
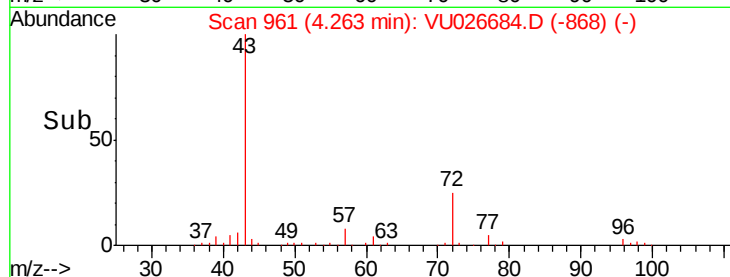
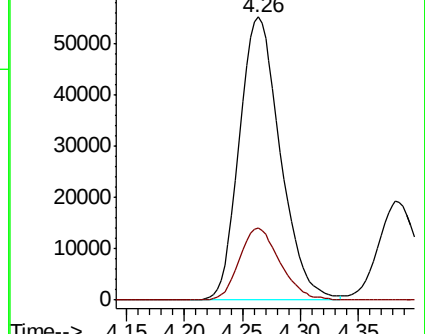
43 100

72 25.5 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: 20.969 ug/l

RT: 4.23 min Scan# 950

Delta R.T. 0.00 min

Lab File: VU026684.D

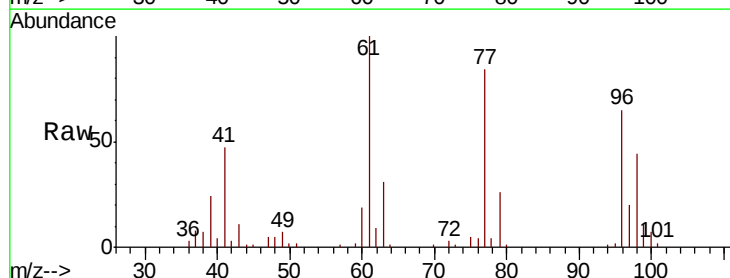
Acq: 11 Sep 2018 17:24

Tgt Ion: 77 Resp: 45227

Ion Ratio Lower Upper

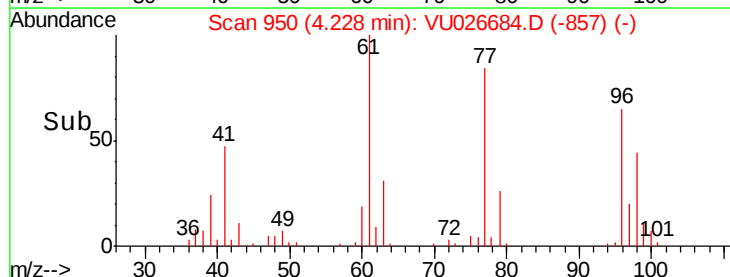
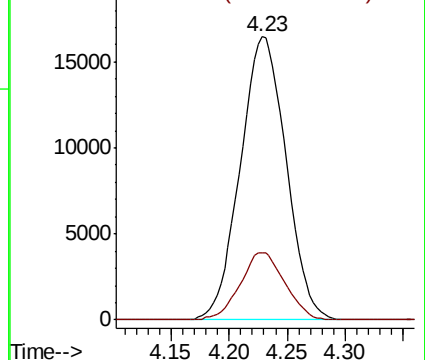
77 100

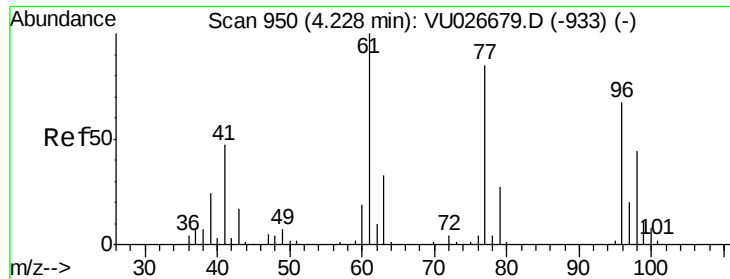
97 23.0 11.6 34.8



Abundance Ion 76.90 (76.60 to 77.60): VU0

Ion 96.90 (96.60 to 97.60): VU0

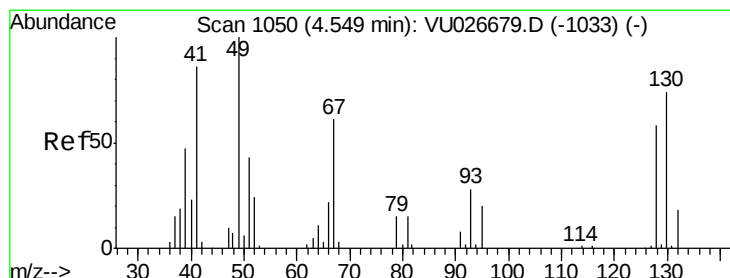
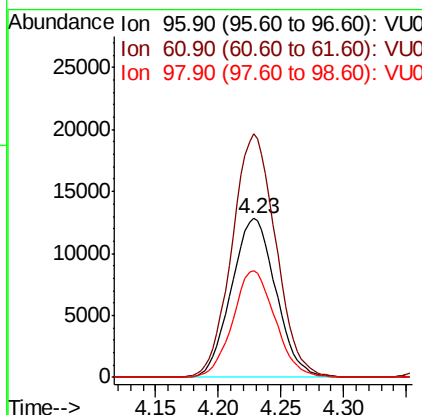
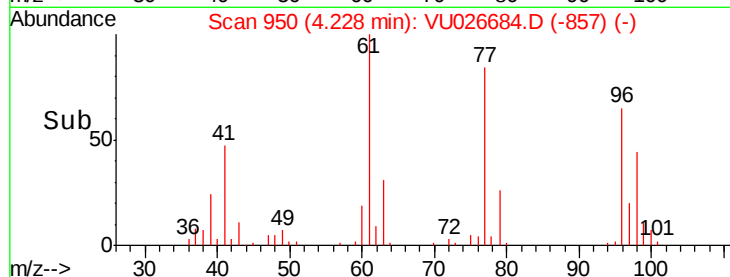
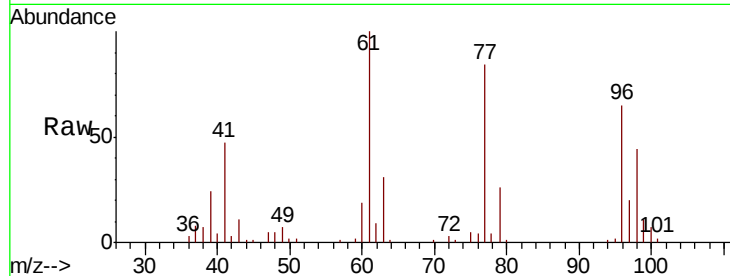




#27
 cis-1,2-Dichloroethene
 Concen: 20.985 ug/l
 RT: 4.23 min Scan# 950
 Delta R.T. 0.00 min
 Lab File: VU026684.D
 Acq: 11 Sep 2018 17:24

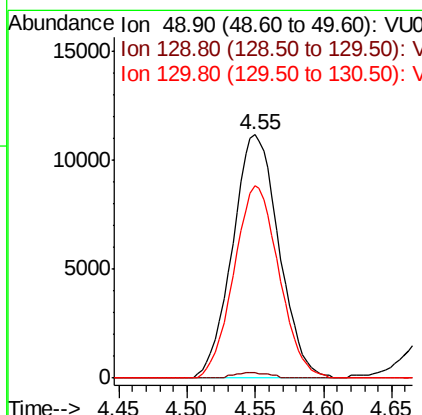
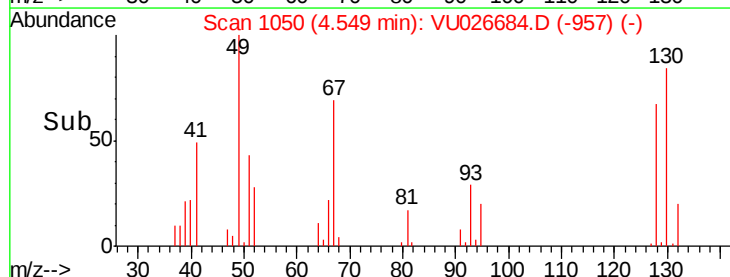
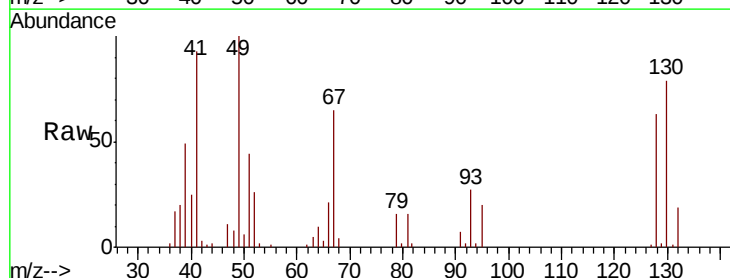
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0912MBS01

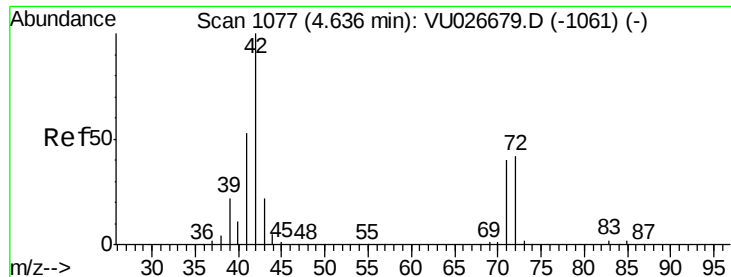
Tgt Ion: 96 Resp: 31528
 Ion Ratio Lower Upper
 96 100
 61 151.4 0.0 301.8
 98 64.3 0.0 127.2



#28
 Bromochloromethane
 Concen: 21.019 ug/l
 RT: 4.55 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VU026684.D
 Acq: 11 Sep 2018 17:24

Tgt Ion: 49 Resp: 26373
 Ion Ratio Lower Upper
 49 100
 129 1.7 0.0 3.8
 130 76.7 59.8 89.6





#29

Tetrahydrofuran

Concen: 107.567 ug/l

RT: 4.64 min Scan# 1078

Delta R.T. 0.00 min

Lab File: VU026684.D

Acq: 11 Sep 2018 17:24

Instrument :

MSVOA_U

ClientSampleId :

VU0912MBS01

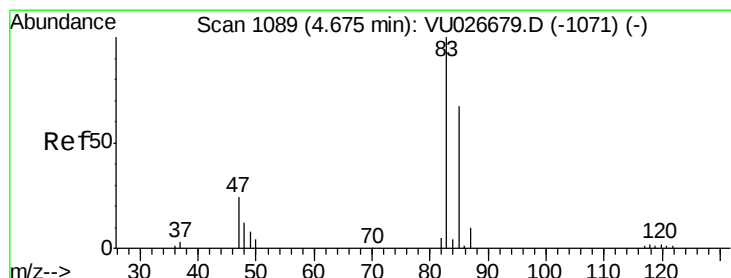
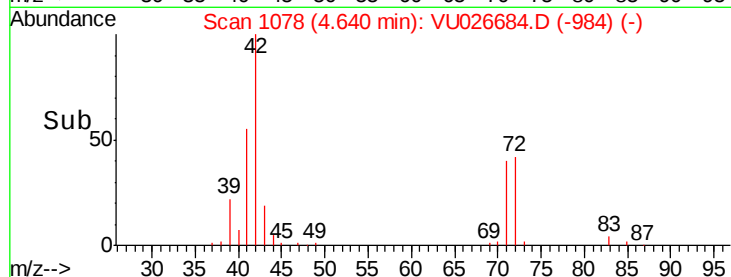
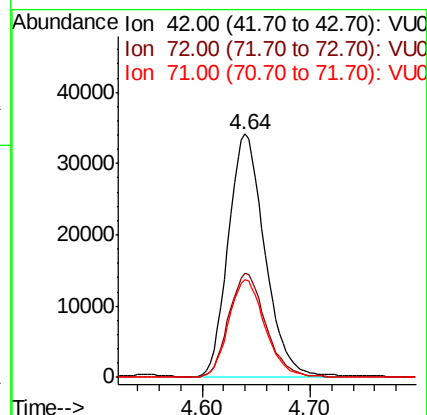
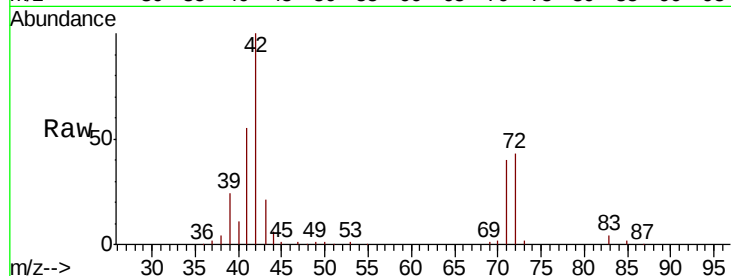
Tgt Ion: 42 Resp: 80869

Ion Ratio Lower Upper

42 100

72 43.1 34.4 51.6

71 40.0 32.4 48.6



#30

Chloroform

Concen: 20.929 ug/l

RT: 4.67 min Scan# 1089

Delta R.T. 0.00 min

Lab File: VU026684.D

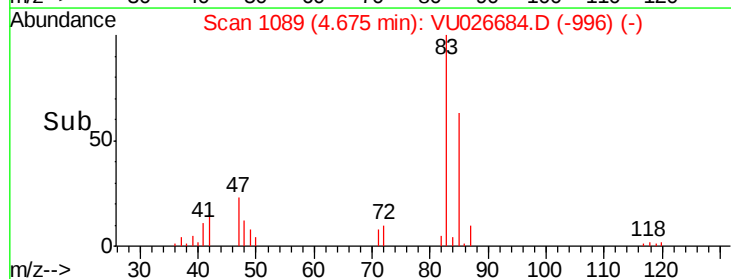
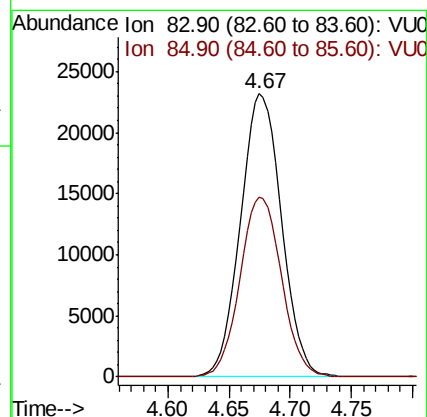
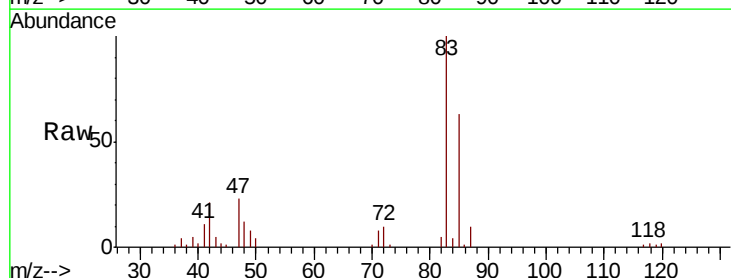
Acq: 11 Sep 2018 17:24

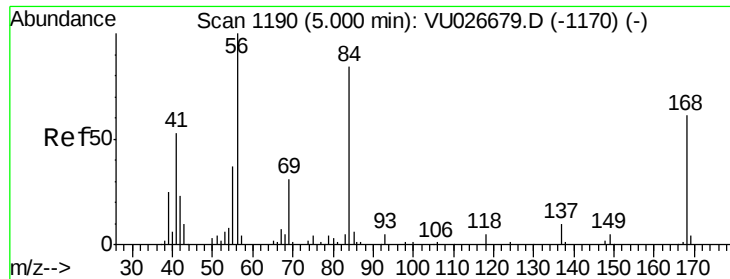
Tgt Ion: 83 Resp: 54002

Ion Ratio Lower Upper

83 100

85 63.3 53.3 79.9

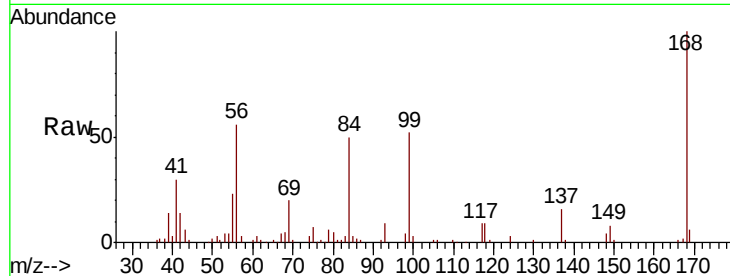




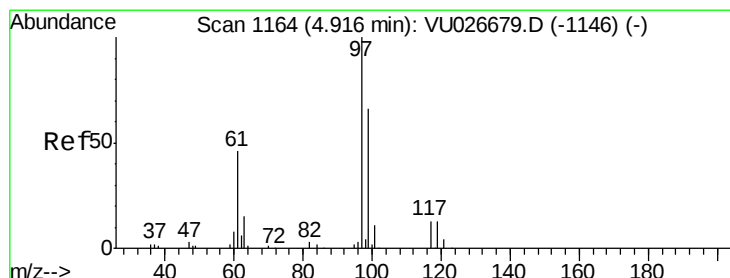
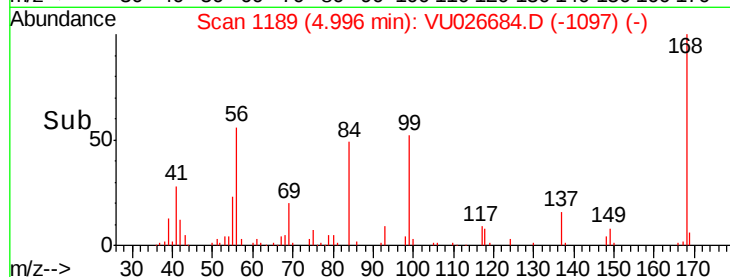
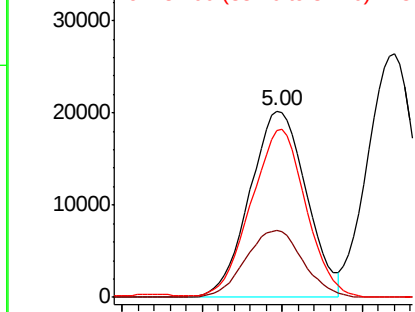
#31
Cyclohexane
Concen: 20.507 ug/l
RT: 5.00 min Scan# 1189
Delta R.T. -0.00 min
Lab File: VU026684.D
Acq: 11 Sep 2018 17:24

Instrument :
MSVOA_U
ClientSampleId :
VU0912MBS01

Tgt Ion: 56 Resp: 49401
Ion Ratio Lower Upper
56 100
69 35.7 24.9 37.3
84 88.8 66.6 100.0

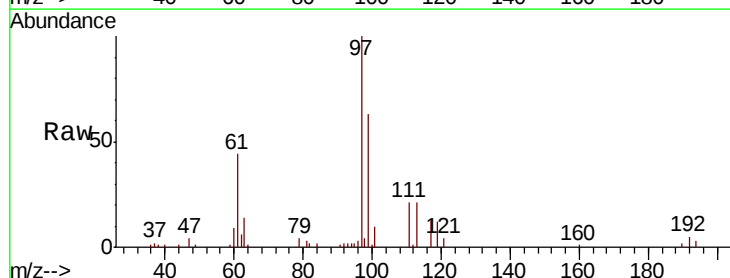


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

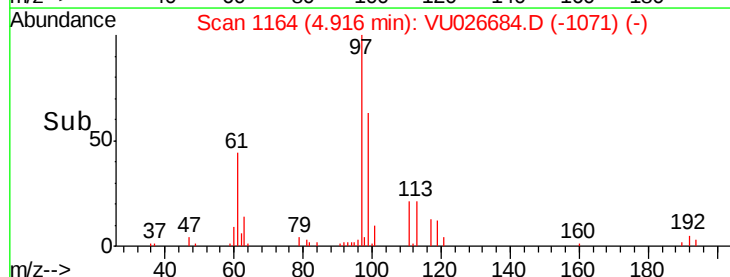
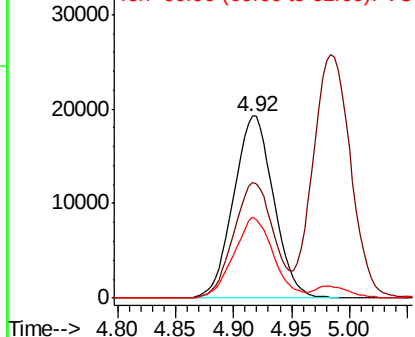


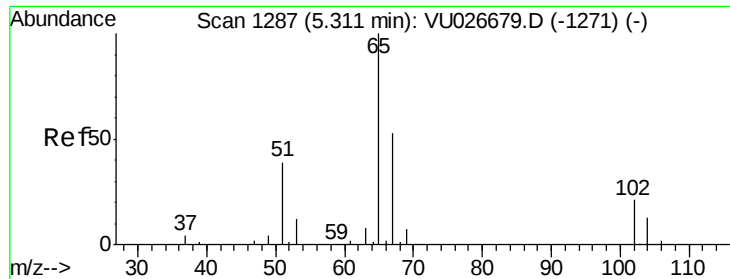
#32
1,1,1-Trichloroethane
Concen: 21.666 ug/l
RT: 4.92 min Scan# 1164
Delta R.T. 0.00 min
Lab File: VU026684.D
Acq: 11 Sep 2018 17:24

Tgt Ion: 97 Resp: 46287
Ion Ratio Lower Upper
97 100
99 62.6 52.2 78.2
61 43.8 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

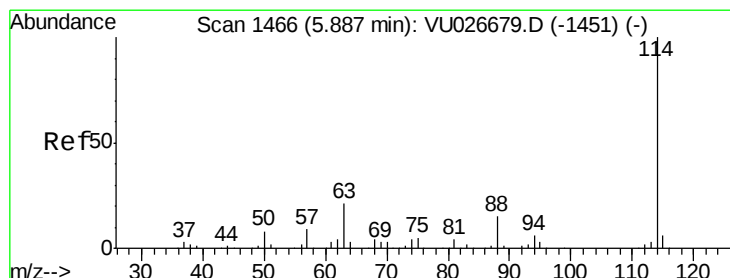
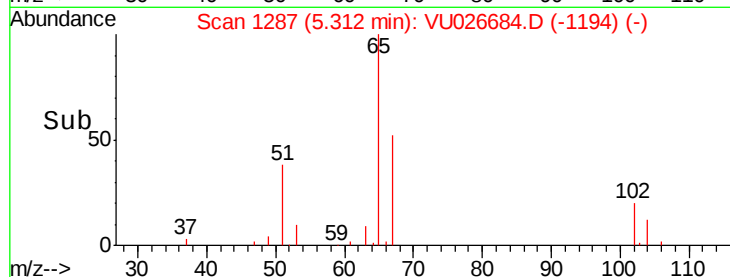
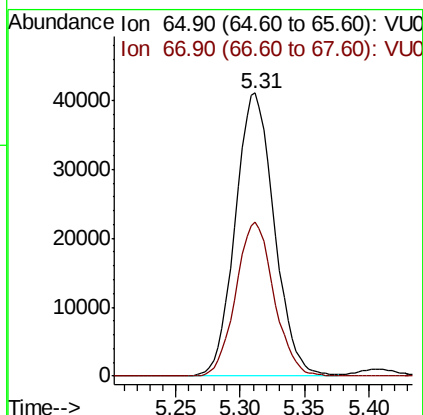
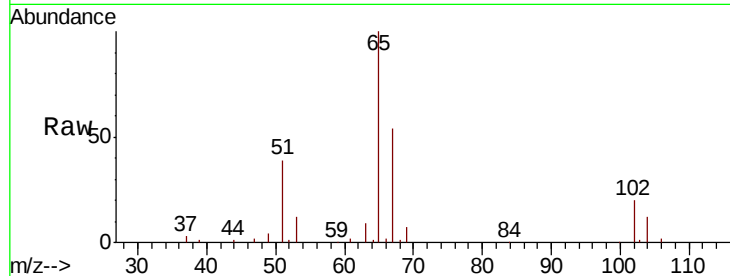




#33
 1,2-Dichloroethane-d4
 Concen: 52.880 ug/l
 RT: 5.31 min Scan# 1287
 Delta R.T. 0.00 min
 Lab File: VU026684.D
 Acq: 11 Sep 2018 17:24

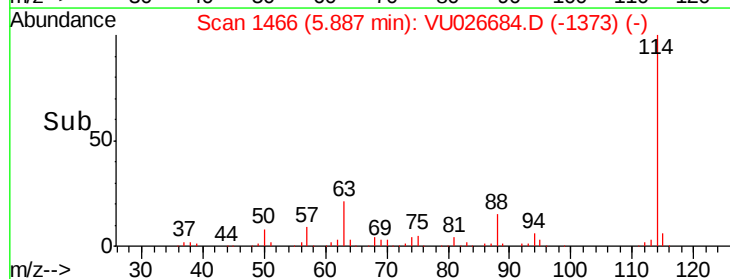
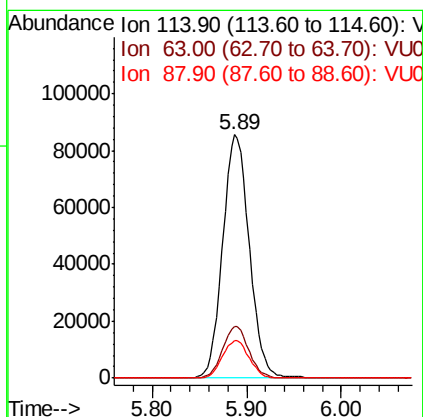
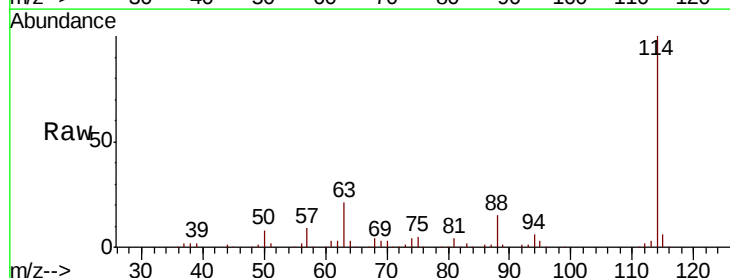
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0912MBS01

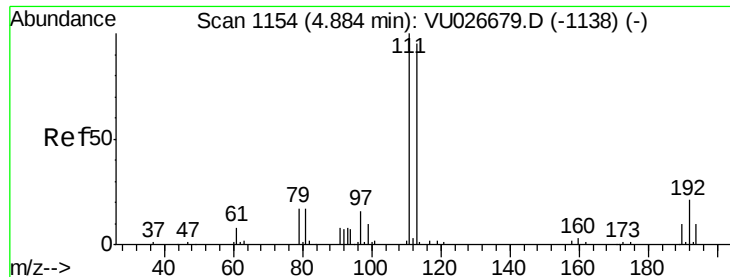
Tgt Ion: 65 Resp: 86463
 Ion Ratio Lower Upper
 65 100
 67 53.1 0.0 106.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1466
 Delta R.T. 0.00 min
 Lab File: VU026684.D
 Acq: 11 Sep 2018 17:24

Tgt Ion: 114 Resp: 167115
 Ion Ratio Lower Upper
 114 100
 63 21.2 0.0 41.4
 88 15.3 0.0 30.8

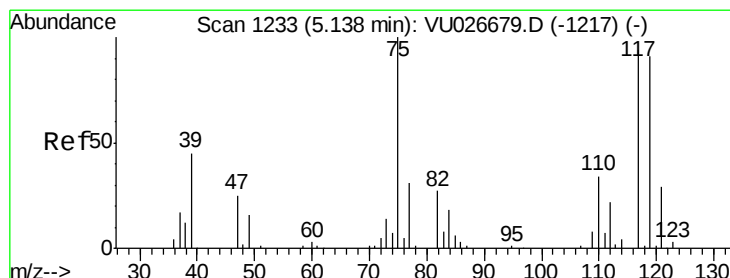
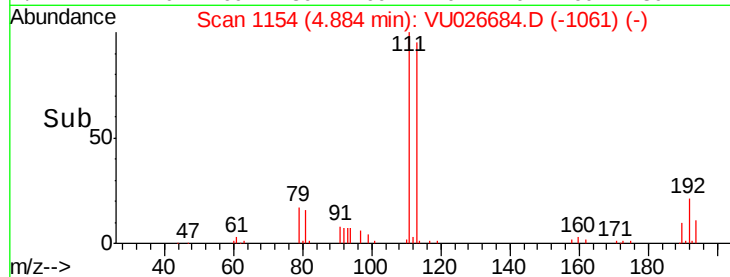
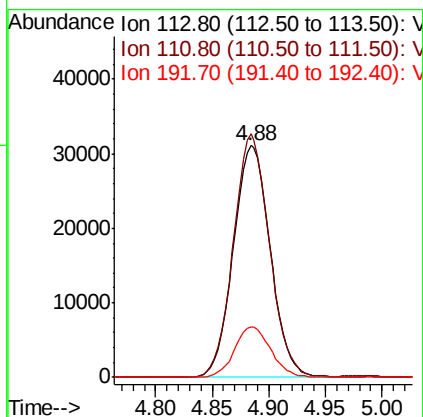
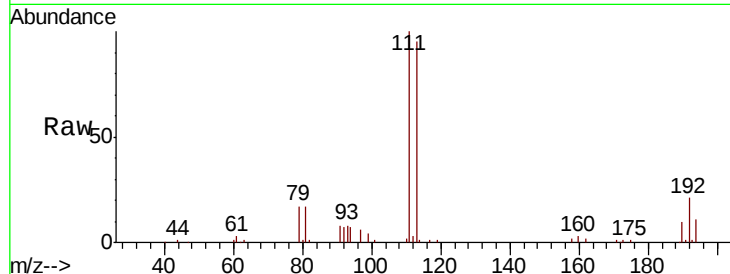




#35
 Dibromofluoromethane
 Concen: 51.943 ug/l
 RT: 4.88 min Scan# 1154
 Delta R.T. 0.00 min
 Lab File: VU026684.D
 Acq: 11 Sep 2018 17:24

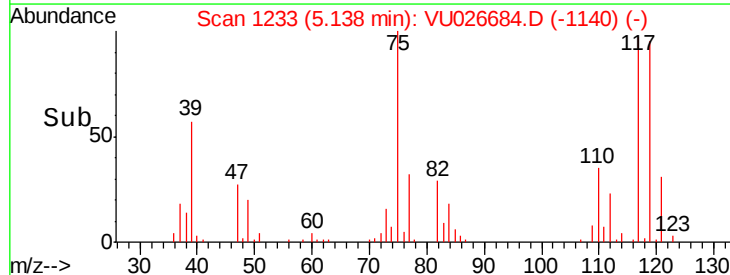
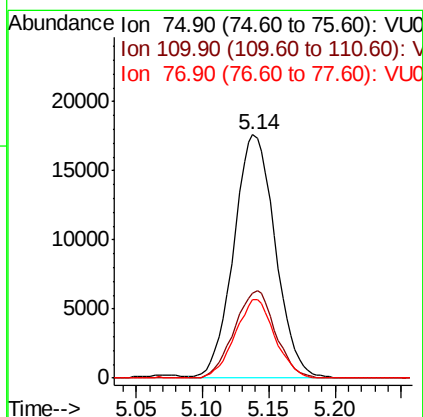
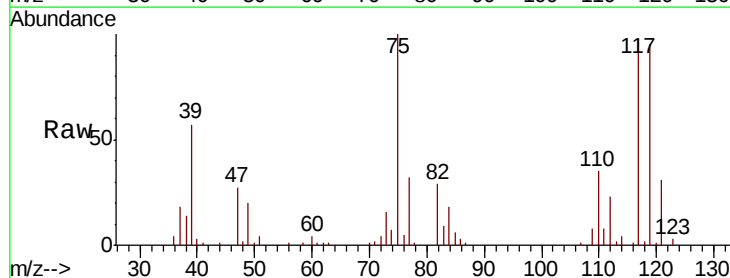
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0912MBS01

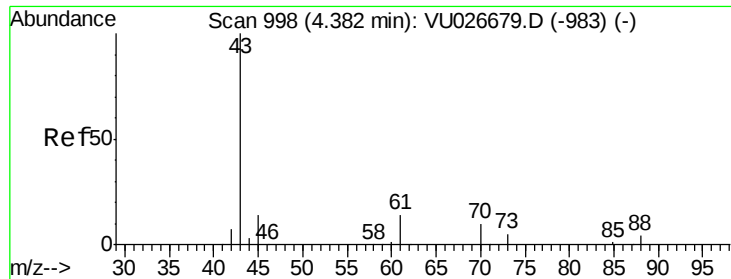
Tgt Ion: 113 Resp: 70806
 Ion Ratio Lower Upper
 113 100
 111 102.2 83.1 124.7
 192 21.2 17.4 26.2



#36
 1,1-Dichloropropene
 Concen: 20.505 ug/l
 RT: 5.14 min Scan# 1233
 Delta R.T. 0.00 min
 Lab File: VU026684.D
 Acq: 11 Sep 2018 17:24

Tgt Ion: 75 Resp: 38473
 Ion Ratio Lower Upper
 75 100
 110 35.3 17.3 51.9
 77 30.9 24.9 37.3





#37

Ethyl Acetate

Concen: 20.635 ug/l

RT: 4.38 min Scan# 998

Delta R.T. 0.00 min

Lab File: VU026684.D

Acq: 11 Sep 2018 17:24

Instrument :

MSVOA_U

ClientSampleId :

VU0912MBS01

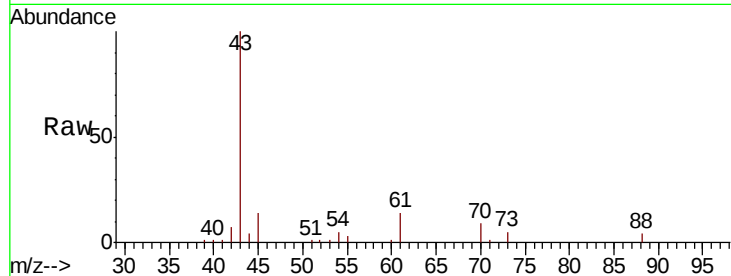
Tgt Ion: 43 Resp: 46559

Ion Ratio Lower Upper

43 100

61 14.0 11.5 17.3

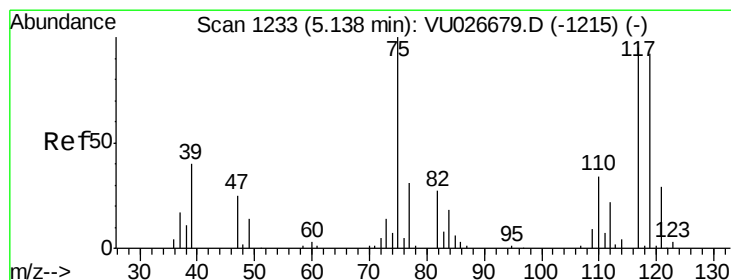
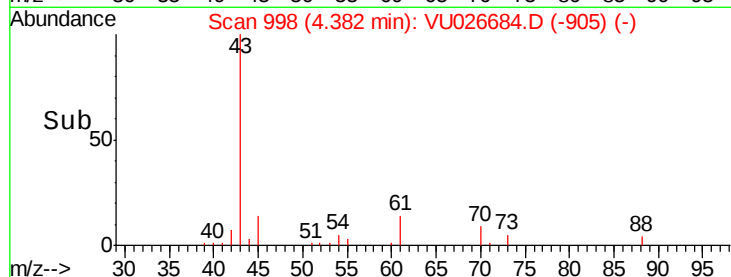
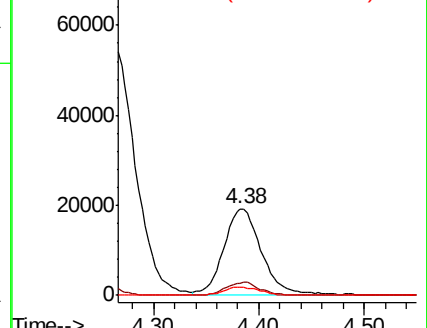
70 9.4 7.8 11.8



Abundance Ion 43.00 (42.70 to 43.70): VU026679.D (-983) (-)

Ion 60.90 (60.60 to 61.60): VU026679.D (-983) (-)

Ion 70.00 (69.70 to 70.70): VU026679.D (-983) (-)



#38

Carbon Tetrachloride

Concen: 20.180 ug/l

RT: 5.13 min Scan# 1232

Delta R.T. -0.00 min

Lab File: VU026684.D

Acq: 11 Sep 2018 17:24

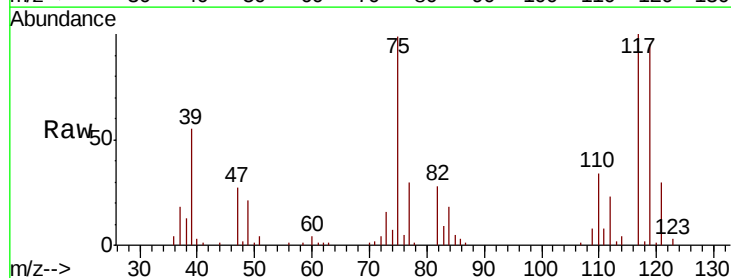
Tgt Ion: 117 Resp: 40004

Ion Ratio Lower Upper

117 100

119 95.0 77.8 116.8

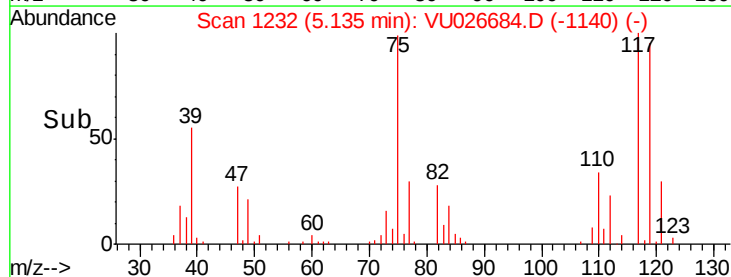
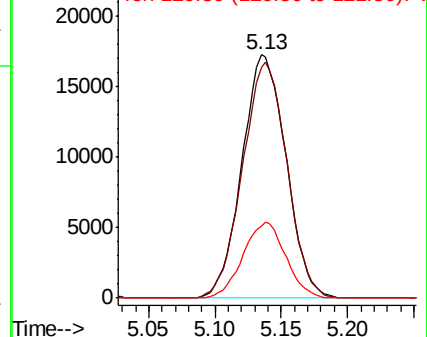
121 29.6 25.0 37.4

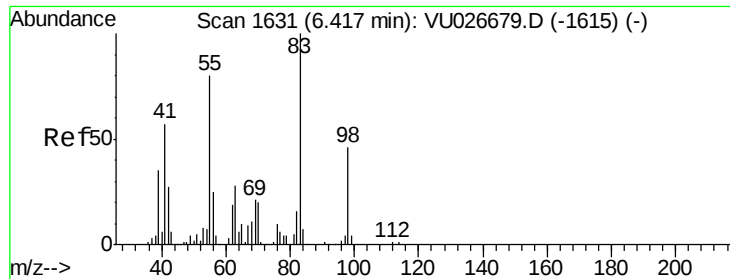


Abundance Ion 116.80 (116.50 to 117.50): VU026679.D (-1215) (-)

Ion 118.80 (118.50 to 119.50): VU026679.D (-1215) (-)

Ion 120.80 (120.50 to 121.50): VU026679.D (-1215) (-)

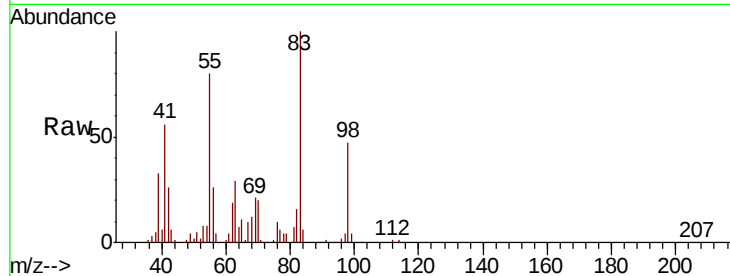




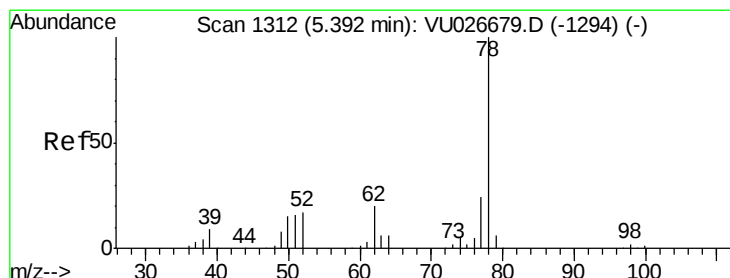
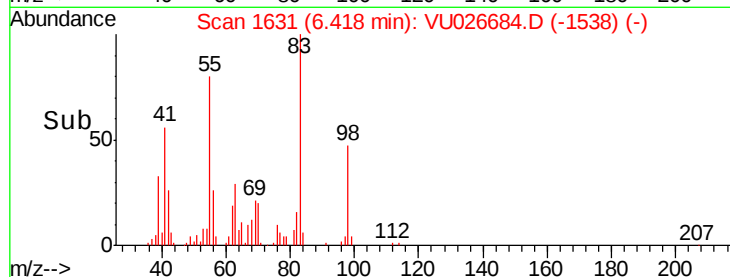
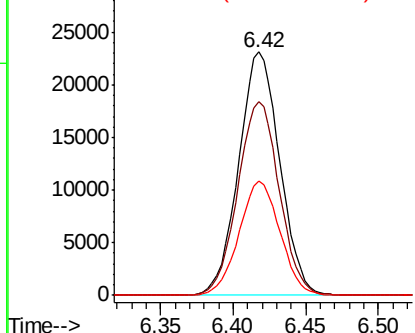
#39
Methylcyclohexane
Concen: 20.444 ug/l
RT: 6.42 min Scan# 1631
Delta R.T. 0.00 min
Lab File: VU026684.D
Acq: 11 Sep 2018 17:24

Instrument :
MSVOA_U
ClientSampleId :
VU0912MBS01

Tgt Ion: 83 Resp: 45544
Ion Ratio Lower Upper
83 100
55 79.5 63.8 95.6
98 46.8 37.2 55.8

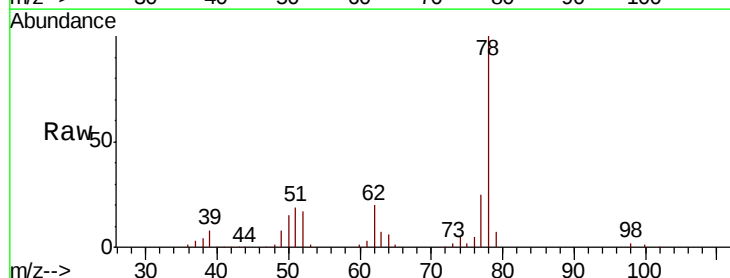


Abundance Ion 83.00 (82.70 to 83.70): VU0
Ion 55.00 (54.70 to 55.70): VU0
Ion 98.00 (97.70 to 98.70): VU0

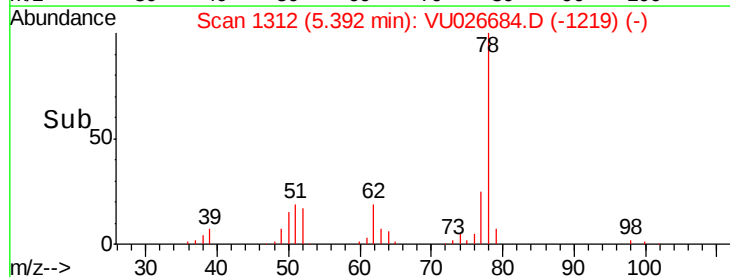
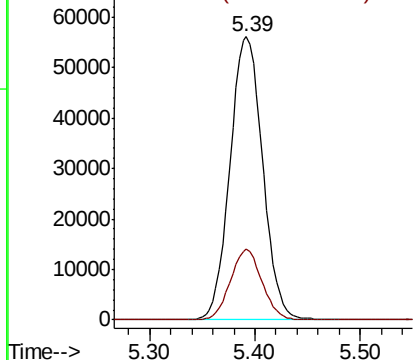


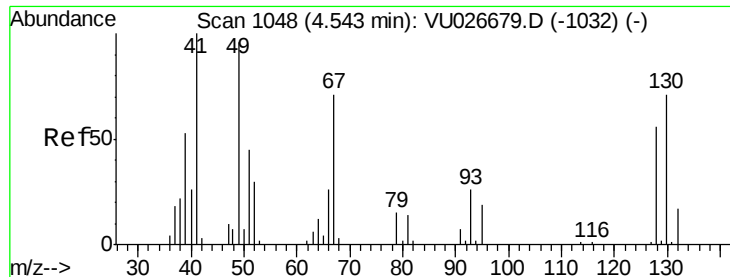
#40
Benzene
Concen: 20.687 ug/l
RT: 5.39 min Scan# 1312
Delta R.T. 0.00 min
Lab File: VU026684.D
Acq: 11 Sep 2018 17:24

Tgt Ion: 78 Resp: 120540
Ion Ratio Lower Upper
78 100
77 25.0 19.5 29.3



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

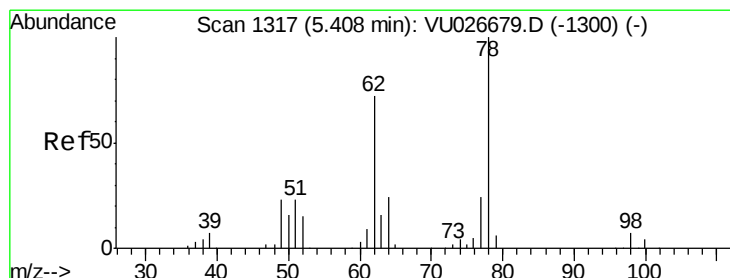
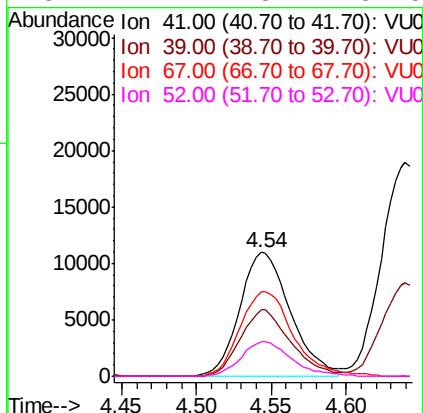
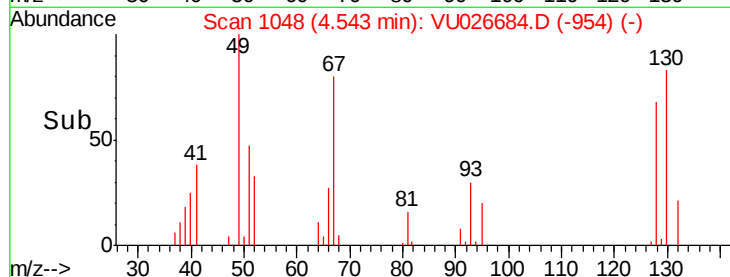
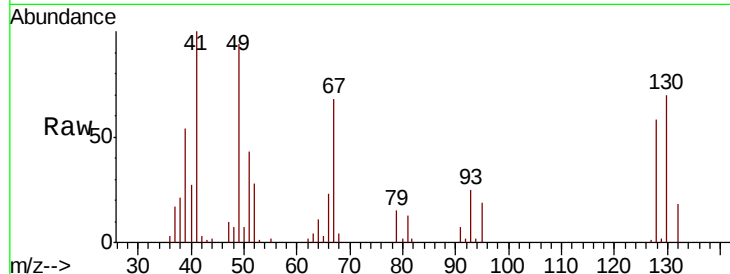




#41
Methacrylonitrile
Concen: 20.751 ug/l
RT: 4.54 min Scan# 1048
Delta R.T. 0.00 min
Lab File: VU026684.D
Acq: 11 Sep 2018 17:24

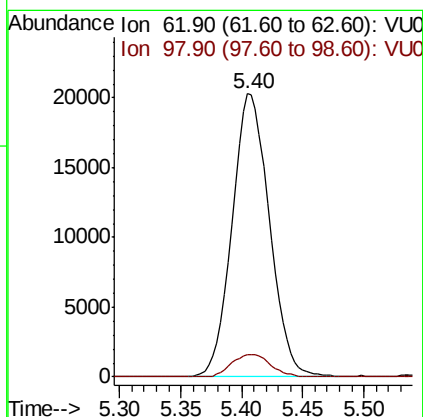
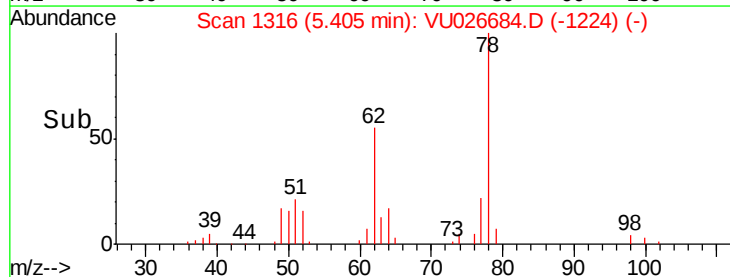
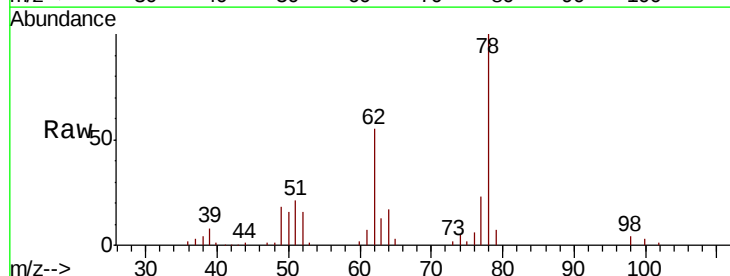
Instrument :
MSVOA_U
ClientSampleId :
VU0912MBS01

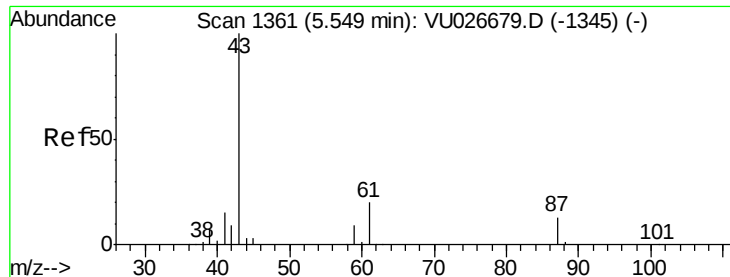
Tgt Ion: 41 Resp: 25821
Ion Ratio Lower Upper
41 100
39 53.2 42.9 64.3
67 71.5 56.6 84.8
52 27.7 23.2 34.8



#42
1,2-Dichloroethane
Concen: 20.760 ug/l
RT: 5.40 min Scan# 1316
Delta R.T. -0.00 min
Lab File: VU026684.D
Acq: 11 Sep 2018 17:24

Tgt Ion: 62 Resp: 43135
Ion Ratio Lower Upper
62 100
98 8.2 0.0 17.8





#43

Isopropyl Acetate

Concen: 21.175 ug/l

RT: 5.55 min Scan# 1361

Delta R.T. 0.00 min

Lab File: VU026684.D

Acq: 11 Sep 2018 17:24

Instrument :

MSVOA_U

ClientSampleId :

VU0912MBS01

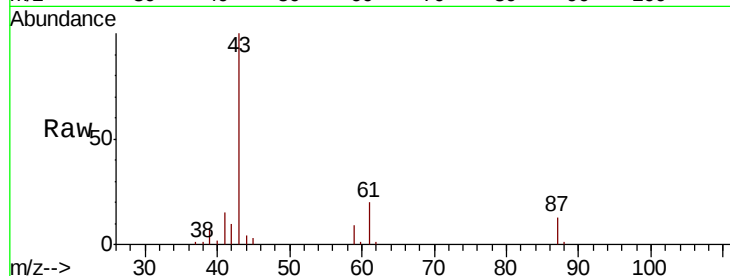
Tgt Ion: 43 Resp: 72747

Ion Ratio Lower Upper

43 100

61 19.0 16.0 24.0

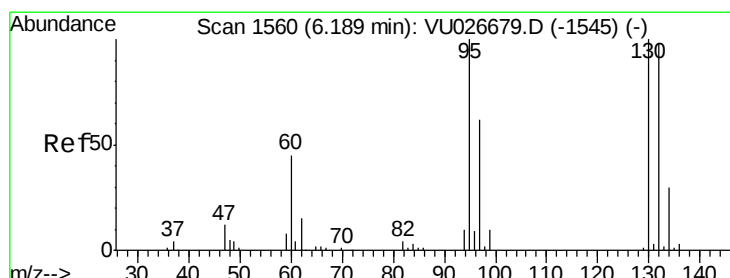
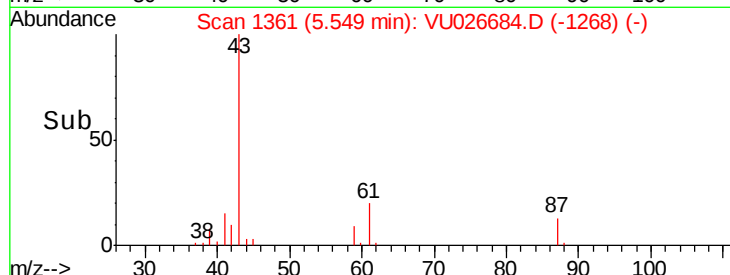
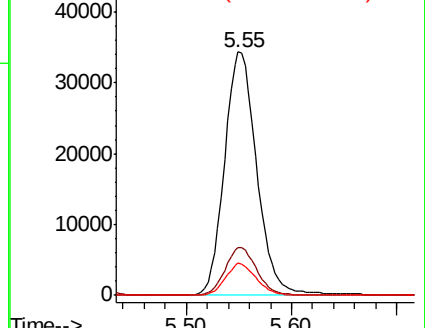
87 12.3 10.1 15.1



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: 20.691 ug/l

RT: 6.19 min Scan# 1560

Delta R.T. 0.00 min

Lab File: VU026684.D

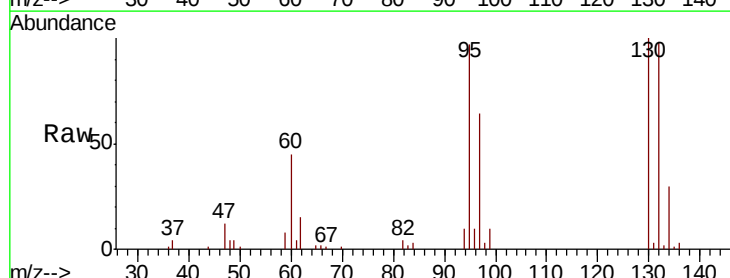
Acq: 11 Sep 2018 17:24

Tgt Ion: 130 Resp: 29839

Ion Ratio Lower Upper

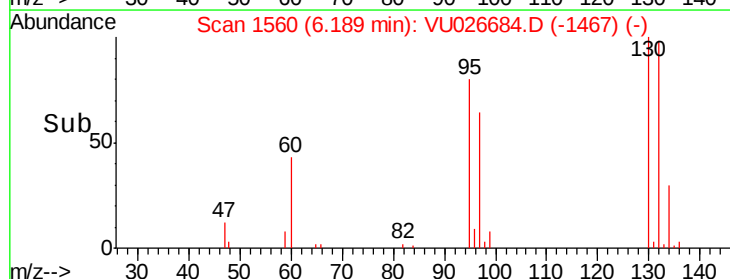
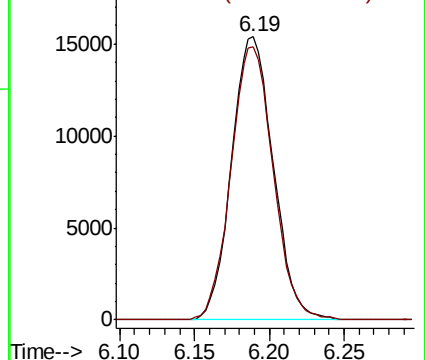
130 100

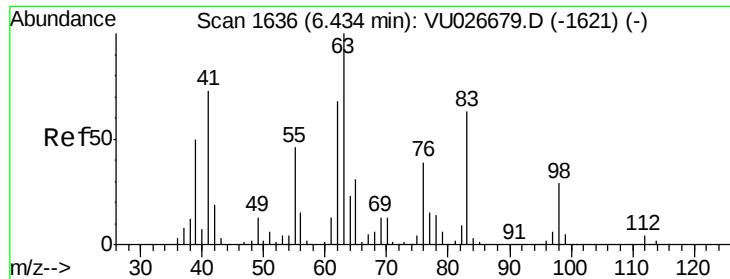
95 96.5 0.0 199.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VU0

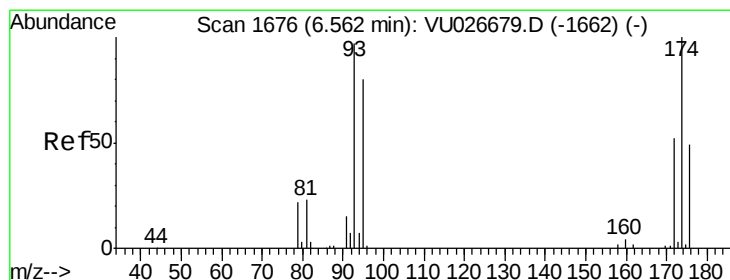
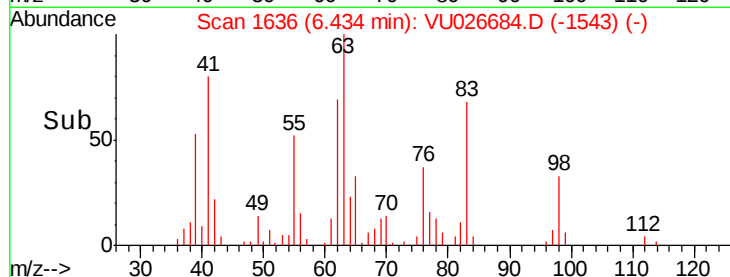
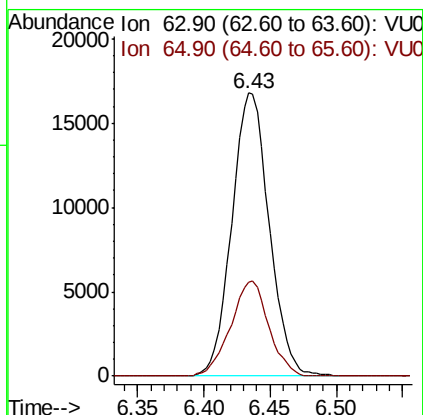
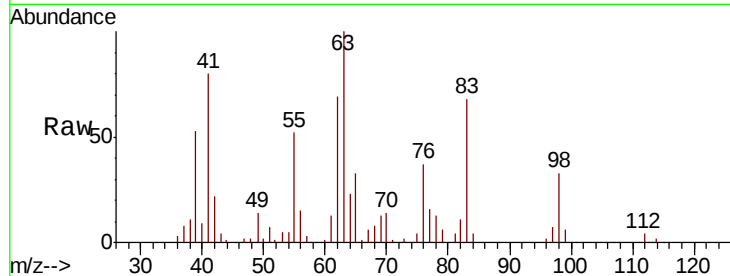




#45
 1,2-Dichloropropane
 Concen: 20.712 ug/l
 RT: 6.43 min Scan# 1636
 Delta R.T. 0.00 min
 Lab File: VU026684.D
 Acq: 11 Sep 2018 17:24

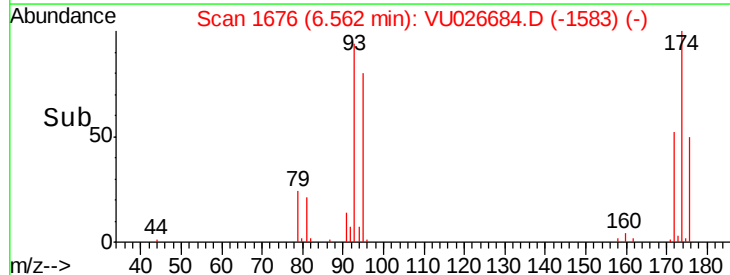
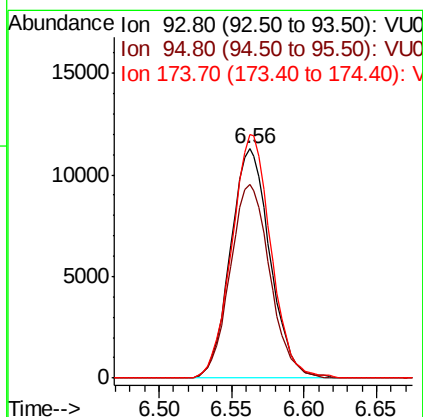
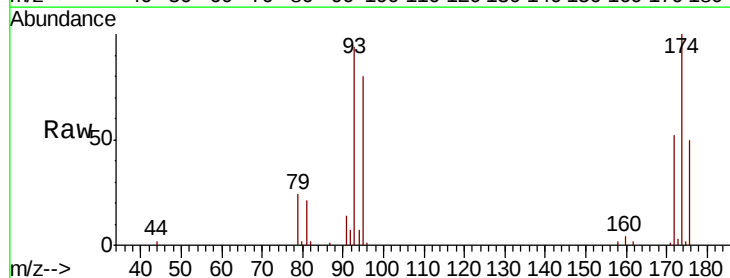
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0912MBS01

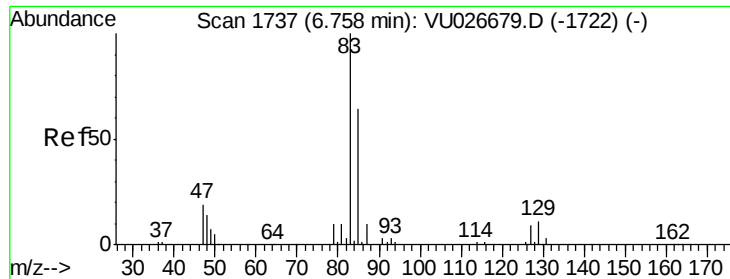
Tgt Ion: 63 Resp: 32808
 Ion Ratio Lower Upper
 63 100
 65 33.3 25.0 37.4



#46
 Dibromomethane
 Concen: 20.881 ug/l
 RT: 6.56 min Scan# 1676
 Delta R.T. 0.00 min
 Lab File: VU026684.D
 Acq: 11 Sep 2018 17:24

Tgt Ion: 93 Resp: 21344
 Ion Ratio Lower Upper
 93 100
 95 85.0 65.4 98.2
 174 105.2 81.6 122.4





#47

Bromodichloromethane

Concen: 20.516 ug/l

RT: 6.76 min Scan# 1737

Delta R.T. 0.00 min

Lab File: VU026684.D

Acq: 11 Sep 2018 17:24

Instrument :

MSVOA_U

ClientSampleId :

VU0912MBS01

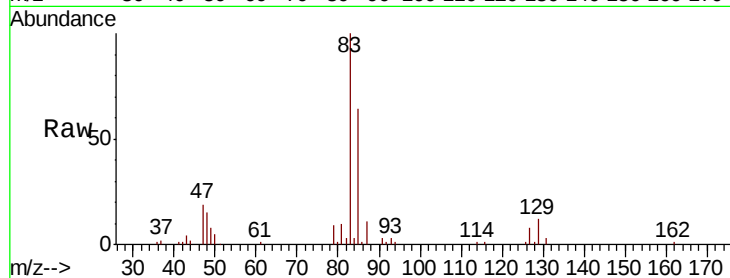
Tgt Ion: 83 Resp: 41295

Ion Ratio Lower Upper

83 100

85 64.1 51.1 76.7

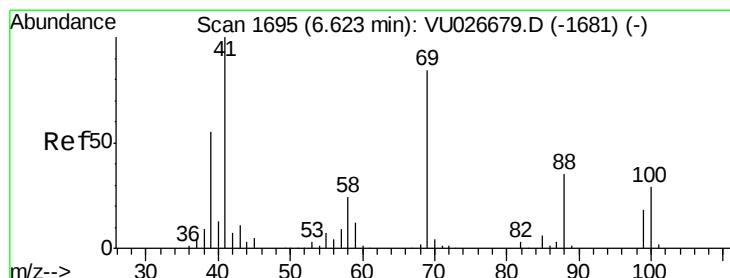
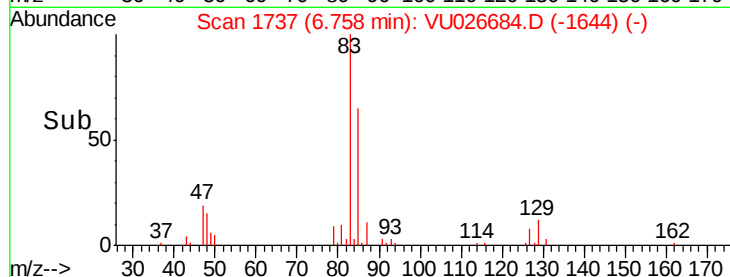
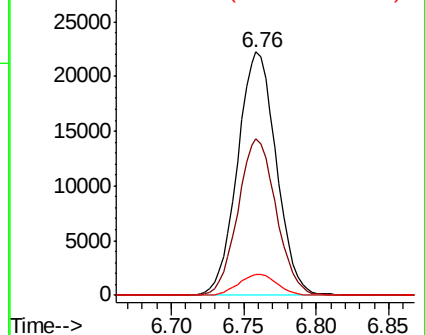
127 8.4 6.9 10.3



Abundance Ion 82.90 (82.60 to 83.60): VU0

Ion 84.90 (84.60 to 85.60): VU0

Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 20.412 ug/l

RT: 6.62 min Scan# 1695

Delta R.T. 0.00 min

Lab File: VU026684.D

Acq: 11 Sep 2018 17:24

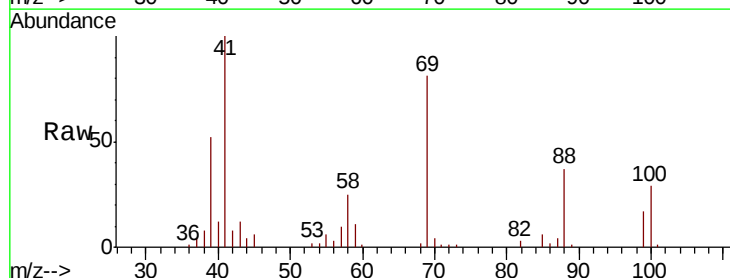
Tgt Ion: 41 Resp: 36250

Ion Ratio Lower Upper

41 100

69 81.4 66.6 99.8

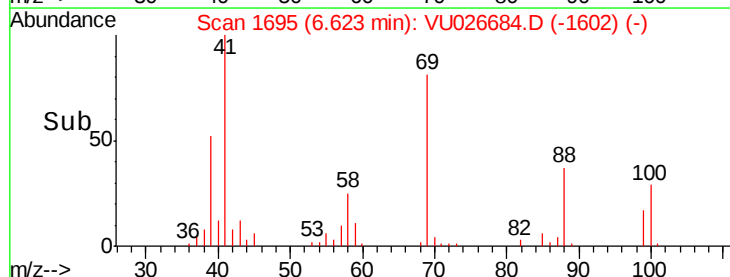
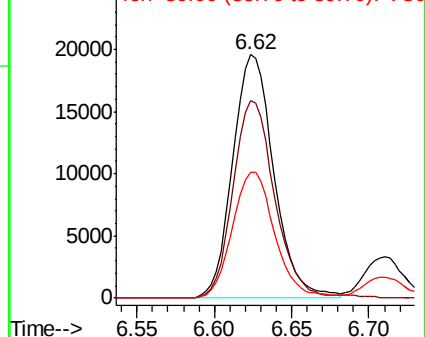
39 53.1 43.6 65.4

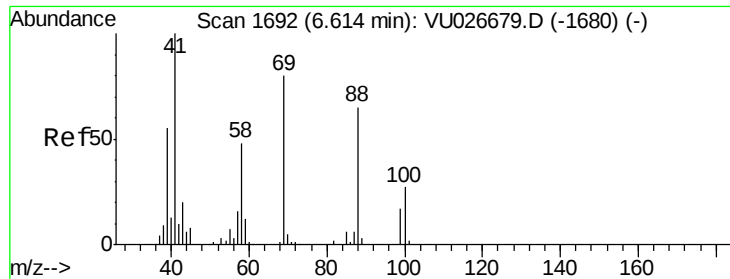


Abundance Ion 41.00 (40.70 to 41.70): VU0

Ion 69.00 (68.70 to 69.70): VU0

Ion 39.00 (38.70 to 39.70): VU0

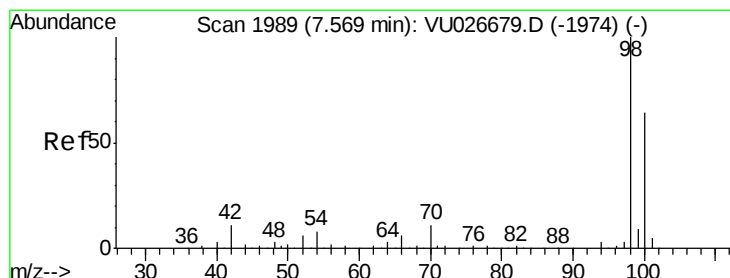
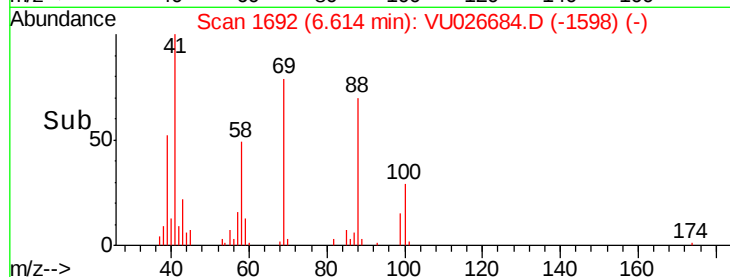
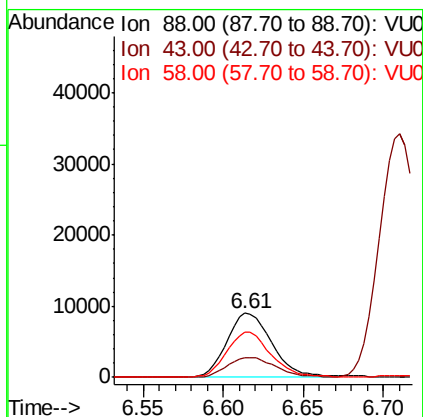
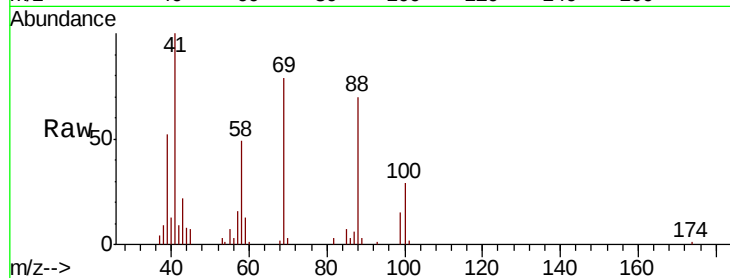




#49
1,4-Dioxane
Concen: 420.180 ug/l
RT: 6.61 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VU026684.D
Acq: 11 Sep 2018 17:24

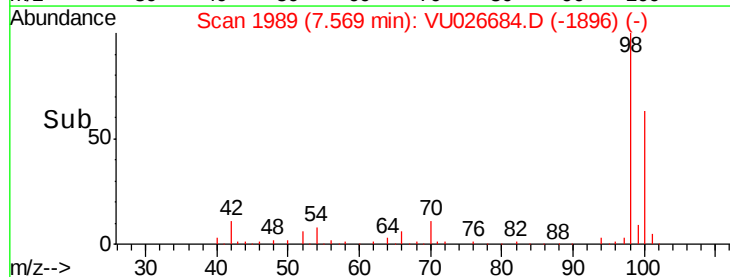
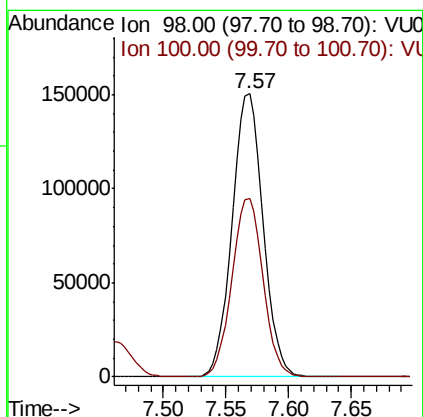
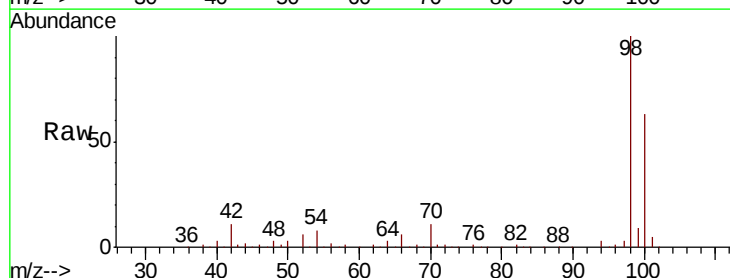
Instrument :
MSVOA_U
ClientSampleId :
VU0912MBS01

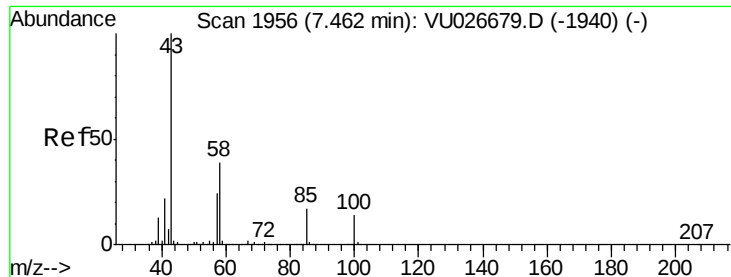
Tgt Ion: 88 Resp: 17318
Ion Ratio Lower Upper
88 100
43 33.4 25.5 38.3
58 69.5 58.2 87.4



#50
Toluene-d8
Concen: 51.347 ug/l
RT: 7.57 min Scan# 1989
Delta R.T. 0.00 min
Lab File: VU026684.D
Acq: 11 Sep 2018 17:24

Tgt Ion: 98 Resp: 258878
Ion Ratio Lower Upper
98 100
100 63.4 51.2 76.8

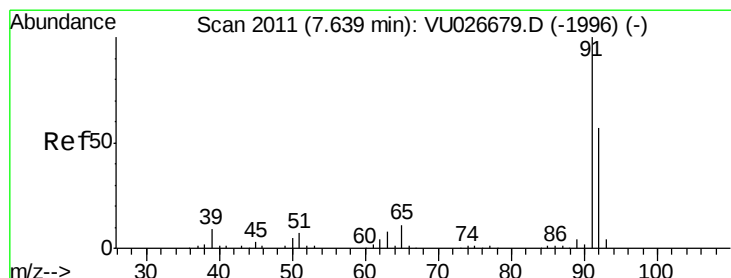
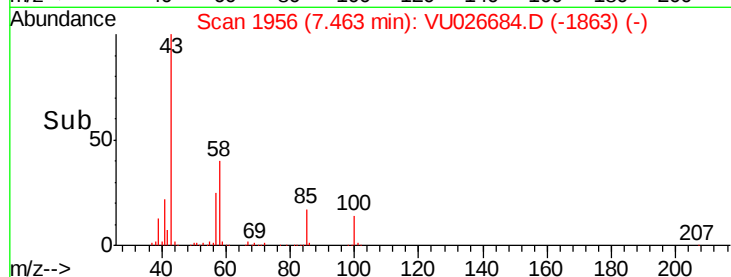
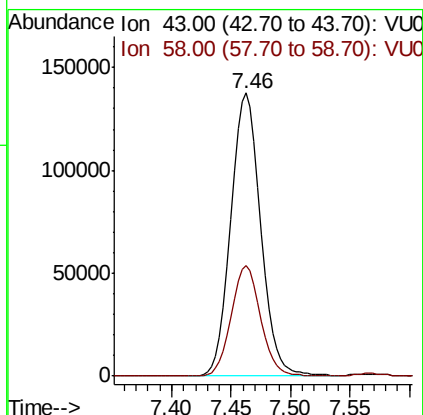
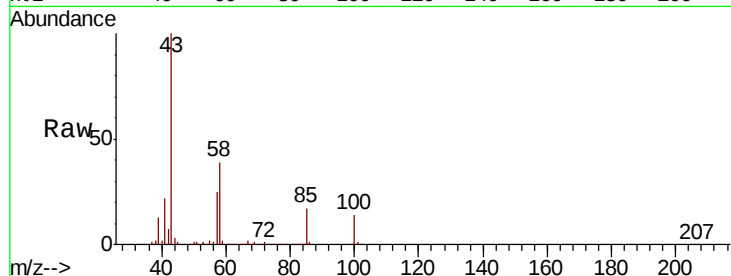




#51
 4-Methyl-2-Pentanone
 Concen: 104.344 ug/l
 RT: 7.46 min Scan# 1956
 Delta R.T. 0.00 min
 Lab File: VU026684.D
 Acq: 11 Sep 2018 17:24

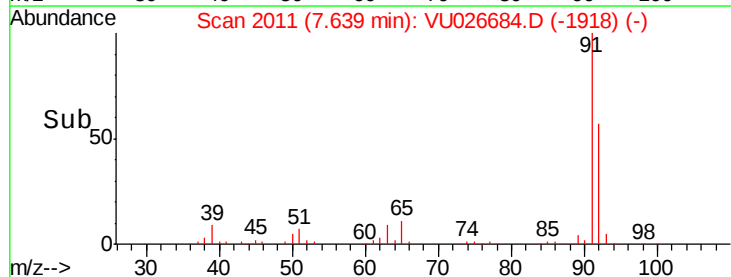
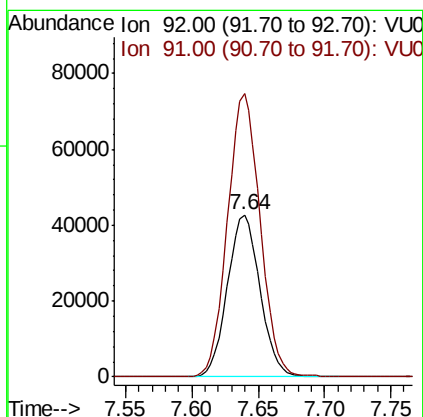
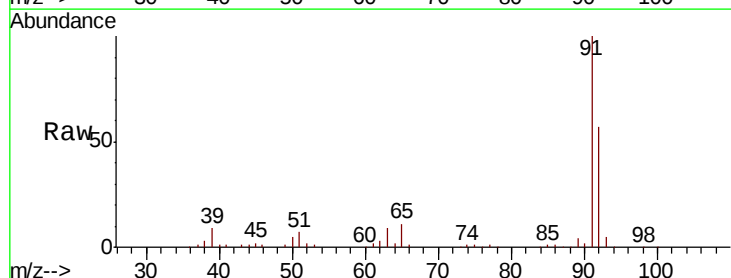
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0912MBS01

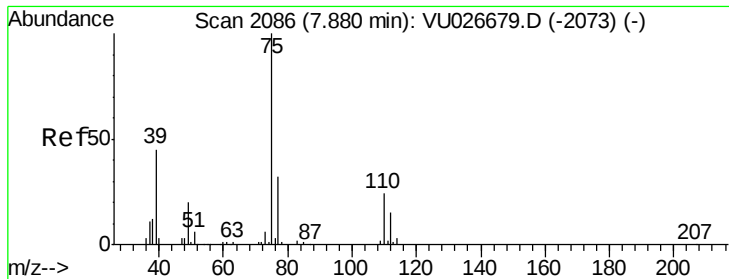
Tgt Ion: 43 Resp: 239780
 Ion Ratio Lower Upper
 43 100
 58 38.6 31.1 46.7



#52
 Toluene
 Concen: 21.038 ug/l
 RT: 7.64 min Scan# 2011
 Delta R.T. 0.00 min
 Lab File: VU026684.D
 Acq: 11 Sep 2018 17:24

Tgt Ion: 92 Resp: 73022
 Ion Ratio Lower Upper
 92 100
 91 175.0 141.1 211.7





#53

t-1,3-Dichloropropene

Concen: 20.546 ug/l

RT: 7.88 min Scan# 2087

Delta R.T. 0.00 min

Lab File: VU026684.D

Acq: 11 Sep 2018 17:24

Instrument :

MSVOA_U

ClientSampleId :

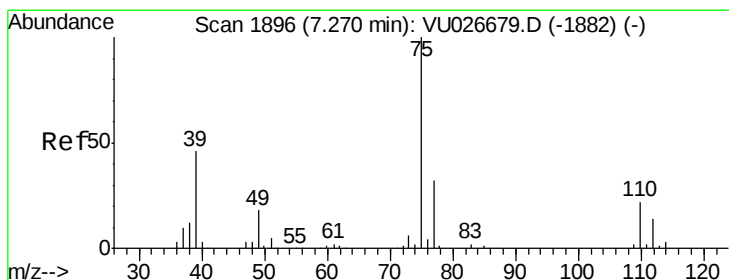
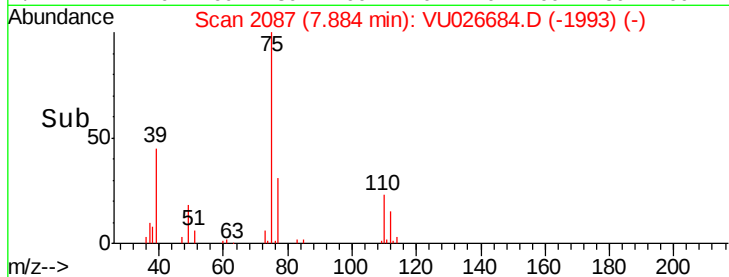
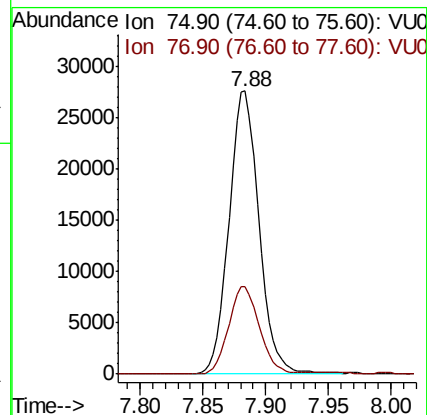
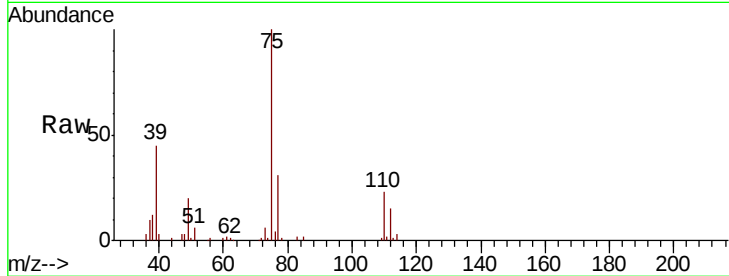
VU0912MBS01

Tgt Ion: 75 Resp: 45872

Ion Ratio Lower Upper

75 100

77 31.0 25.2 37.8



#54

cis-1,3-Dichloropropene

Concen: 20.735 ug/l

RT: 7.27 min Scan# 1897

Delta R.T. 0.00 min

Lab File: VU026684.D

Acq: 11 Sep 2018 17:24

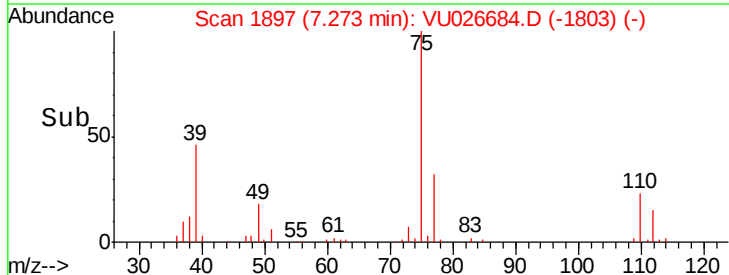
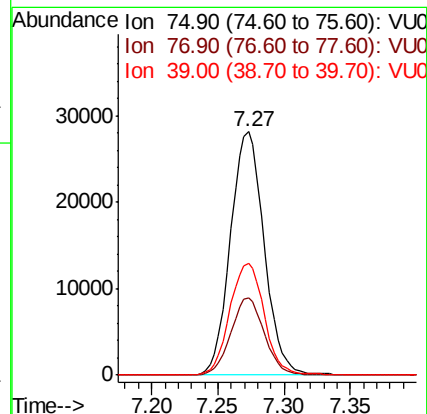
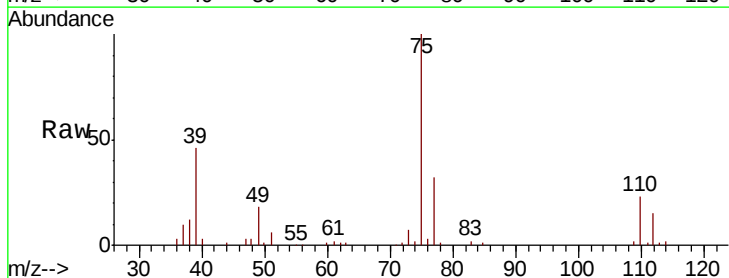
Tgt Ion: 75 Resp: 49710

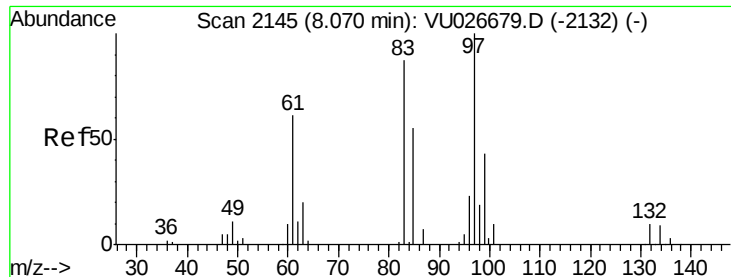
Ion Ratio Lower Upper

75 100

77 32.0 25.5 38.3

39 46.0 37.0 55.6

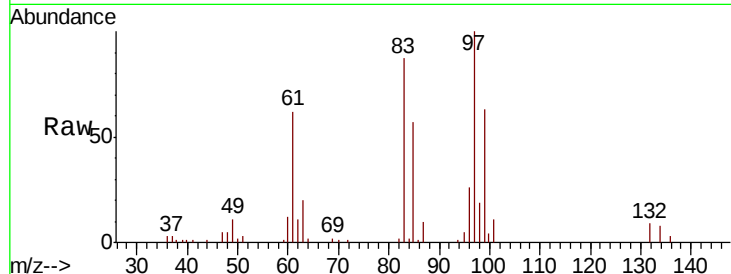




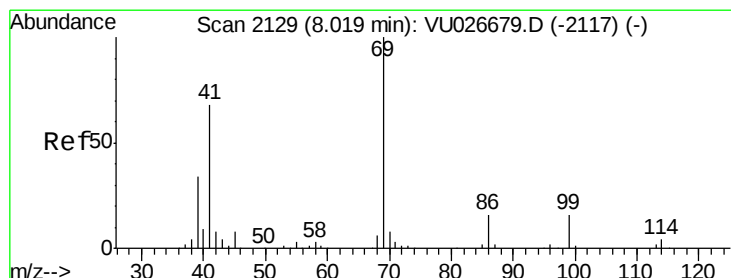
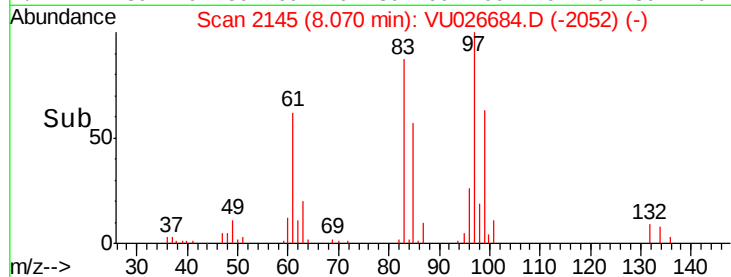
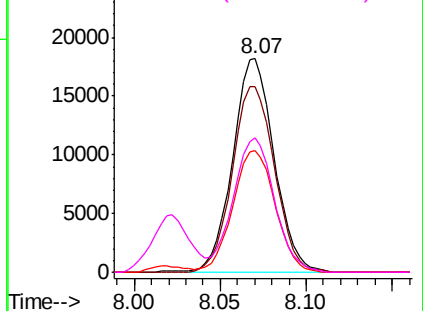
#55
 1,1,2-Trichloroethane
 Concen: 20.490 ug/l
 RT: 8.07 min Scan# 2145
 Delta R.T. 0.00 min
 Lab File: VU026684.D
 Acq: 11 Sep 2018 17:24

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0912MBS01

Tgt Ion: 97 Resp: 30471
 Ion Ratio Lower Upper
 97 100
 83 87.0 69.3 103.9
 85 57.2 45.9 68.9
 99 63.0 50.1 75.1

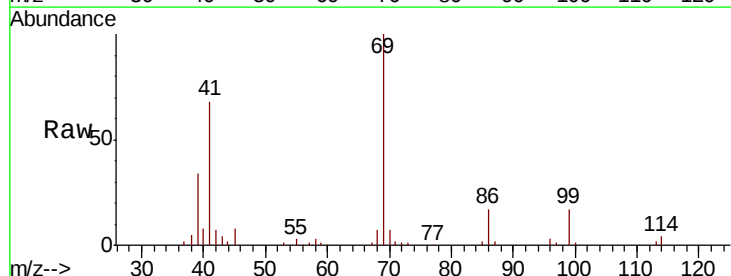


Abundance Ion 96.90 (96.60 to 97.60): VU0
 Ion 82.90 (82.60 to 83.60): VU0
 Ion 84.90 (84.60 to 85.60): VU0
 Ion 98.90 (98.60 to 99.60): VU0

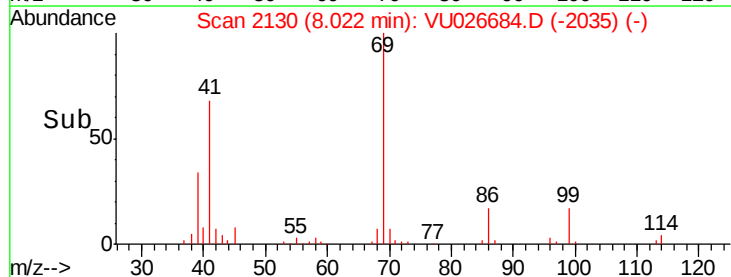
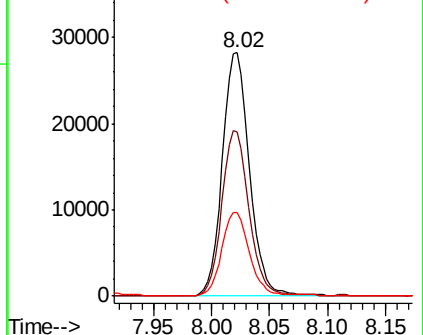


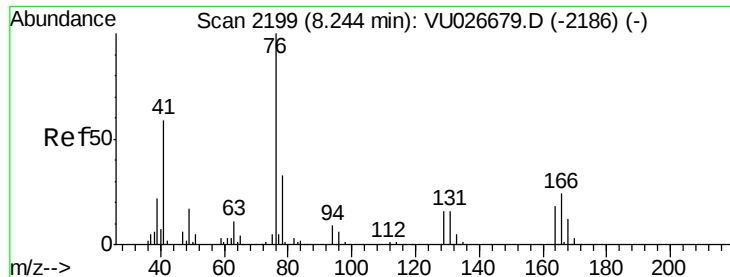
#56
 Ethyl methacrylate
 Concen: 20.075 ug/l
 RT: 8.02 min Scan# 2130
 Delta R.T. 0.00 min
 Lab File: VU026684.D
 Acq: 11 Sep 2018 17:24

Tgt Ion: 69 Resp: 45757
 Ion Ratio Lower Upper
 69 100
 41 68.5 54.2 81.2
 39 35.1 28.4 42.6



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

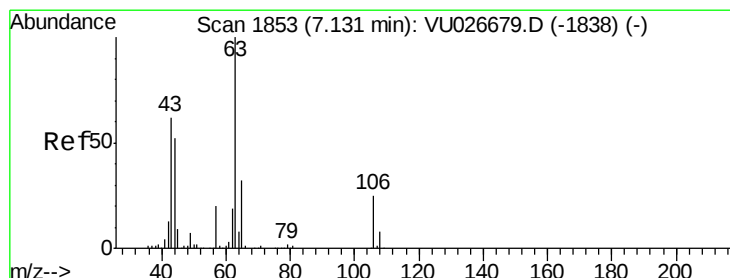
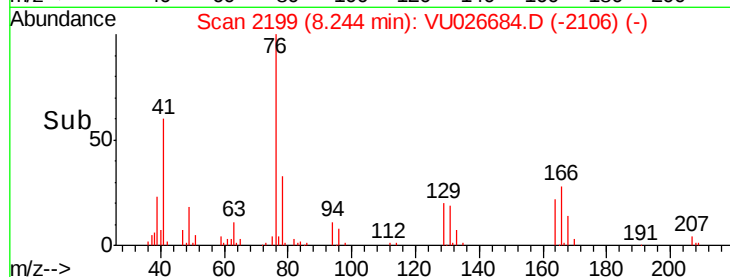
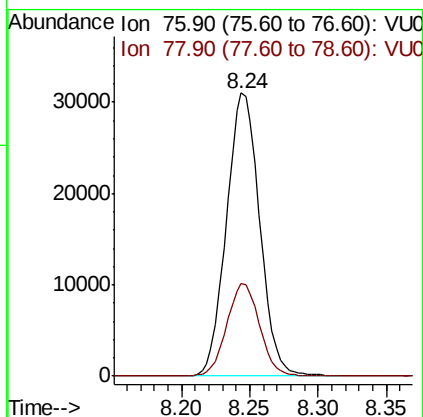
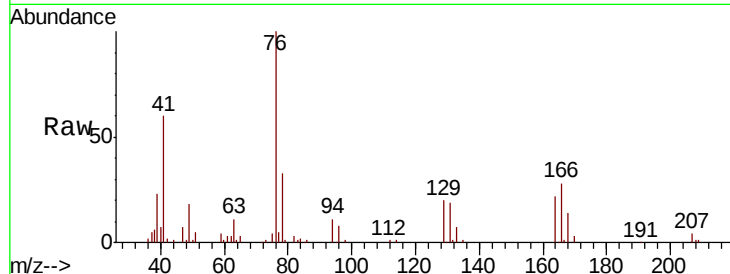




#57
 1,3-Dichloropropane
 Concen: 20.673 ug/l
 RT: 8.24 min Scan# 2199
 Delta R.T. 0.00 min
 Lab File: VU026684.D
 Acq: 11 Sep 2018 17:24

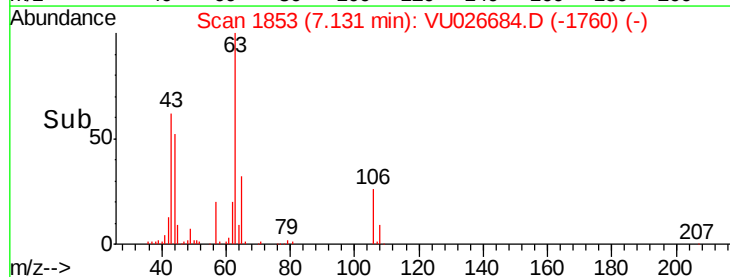
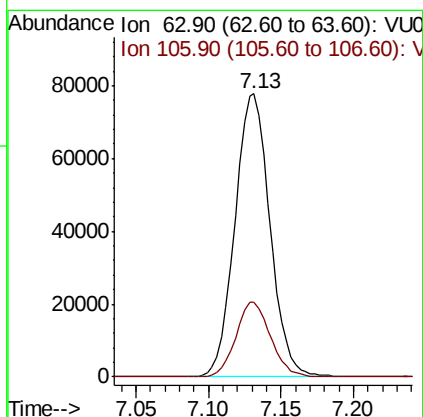
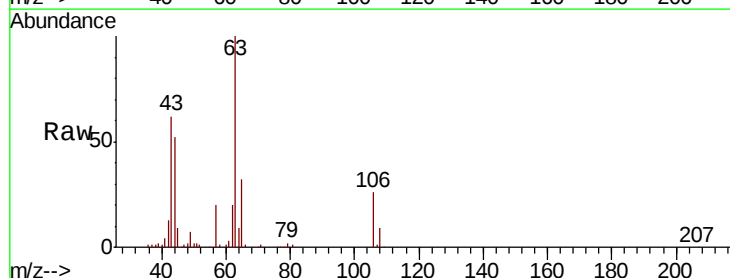
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0912MBS01

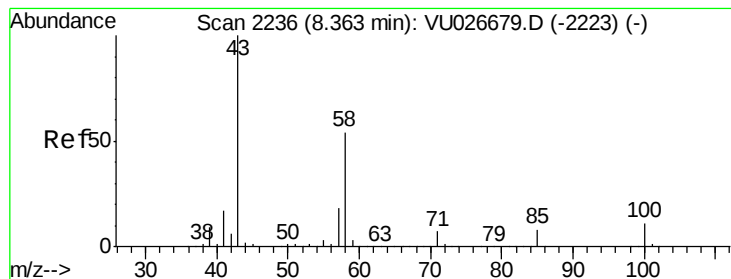
Tgt Ion: 76 Resp: 52399
 Ion Ratio Lower Upper
 76 100
 78 32.2 26.0 39.0



#58
 2-Chloroethyl Vinyl ether
 Concen: 114.455 ug/l
 RT: 7.13 min Scan# 1853
 Delta R.T. 0.00 min
 Lab File: VU026684.D
 Acq: 11 Sep 2018 17:24

Tgt Ion: 63 Resp: 130560
 Ion Ratio Lower Upper
 63 100
 106 26.0 20.5 30.7





#59

2-Hexanone

Concen: 103.953 ug/l

RT: 8.36 min Scan# 2236

Delta R.T. 0.00 min

Lab File: VU026684.D

Acq: 11 Sep 2018 17:24

Instrument :

MSVOA_U

ClientSampleId :

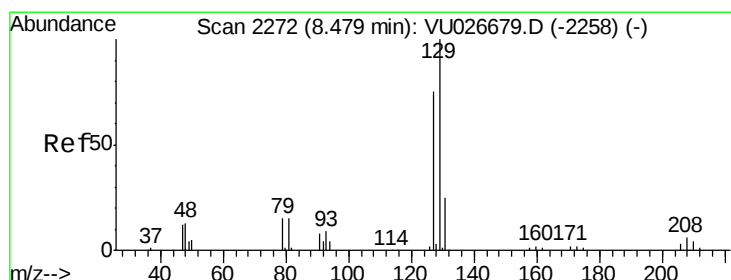
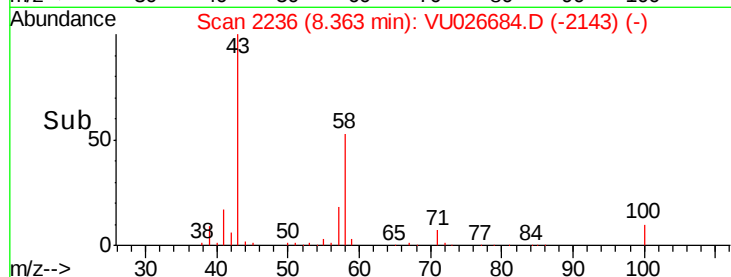
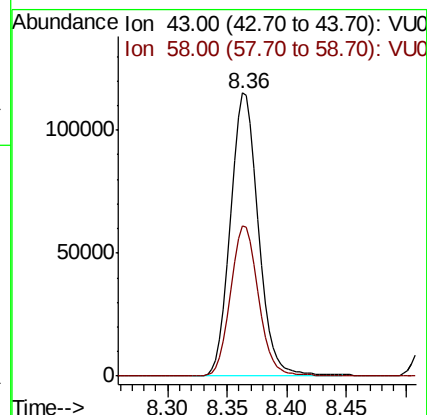
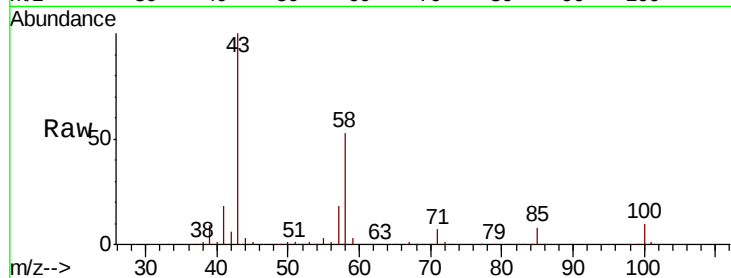
VU0912MBS01

Tgt Ion: 43 Resp: 188001

Ion Ratio Lower Upper

43 100

58 53.3 26.9 80.7



#60

Dibromochloromethane

Concen: 20.451 ug/l

RT: 8.48 min Scan# 2272

Delta R.T. 0.00 min

Lab File: VU026684.D

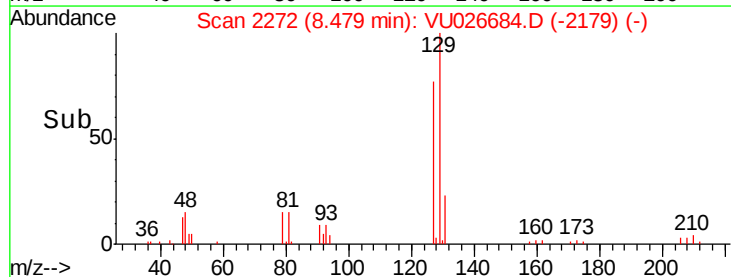
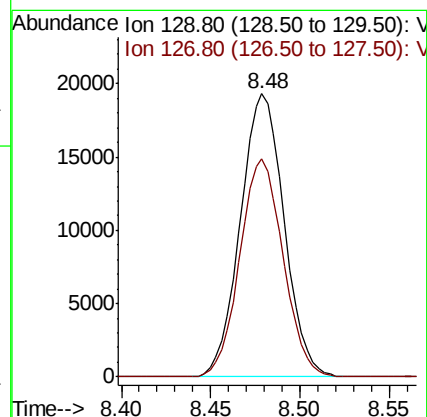
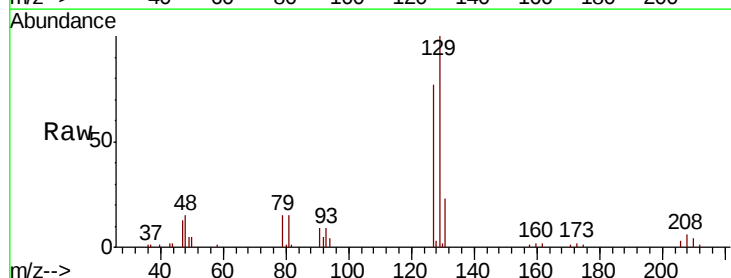
Acq: 11 Sep 2018 17:24

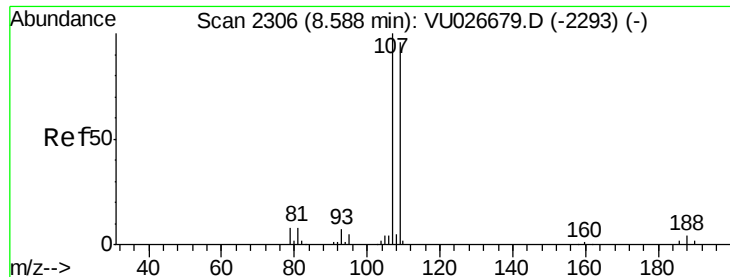
Tgt Ion: 129 Resp: 32938

Ion Ratio Lower Upper

129 100

127 76.1 38.3 114.9





#61

1,2-Dibromoethane

Concen: 19.918 ug/l

RT: 8.59 min Scan# 2306

Delta R.T. 0.00 min

Lab File: VU026684.D

Acq: 11 Sep 2018 17:24

Instrument :

MSVOA_U

ClientSampleId :

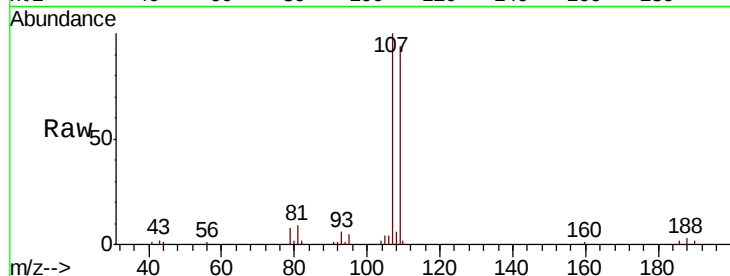
VU0912MBS01

Tgt Ion:107 Resp: 32139

Ion Ratio Lower Upper

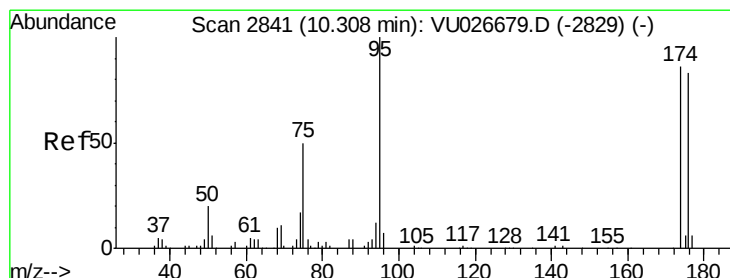
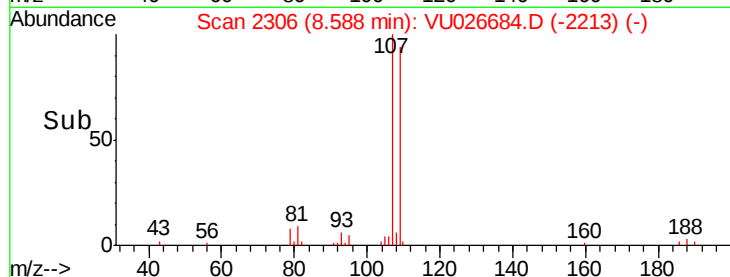
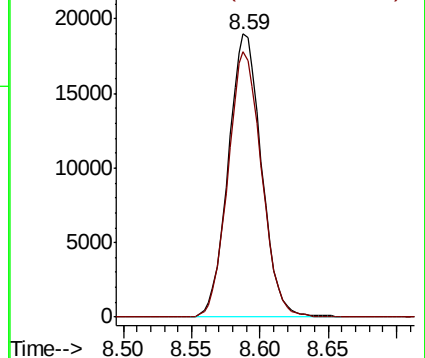
107 100

109 94.3 75.7 113.5



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 49.316 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. 0.00 min

Lab File: VU026684.D

Acq: 11 Sep 2018 17:24

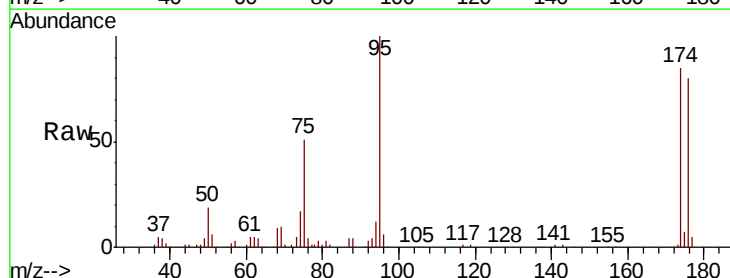
Tgt Ion: 95 Resp: 90113

Ion Ratio Lower Upper

95 100

174 87.4 0.0 172.8

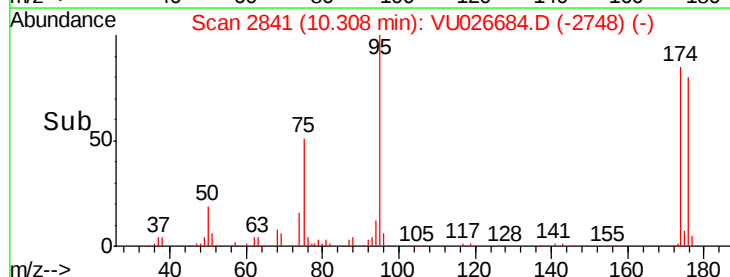
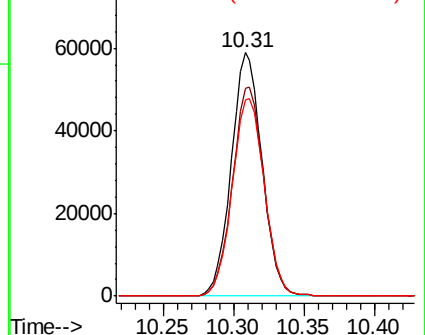
176 85.0 0.0 168.6

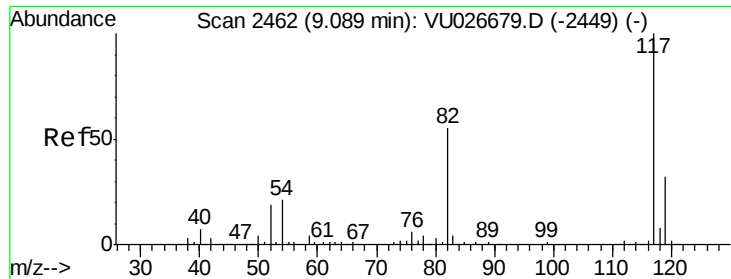


Abundance Ion 94.90 (94.60 to 95.60): VU0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

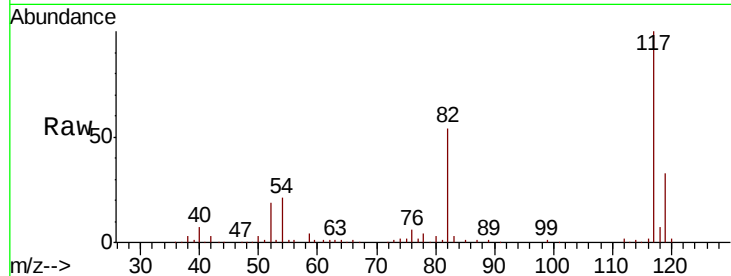




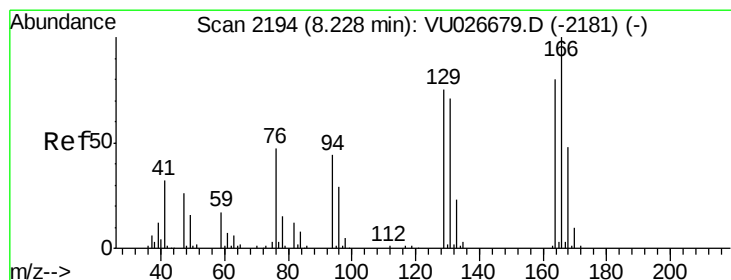
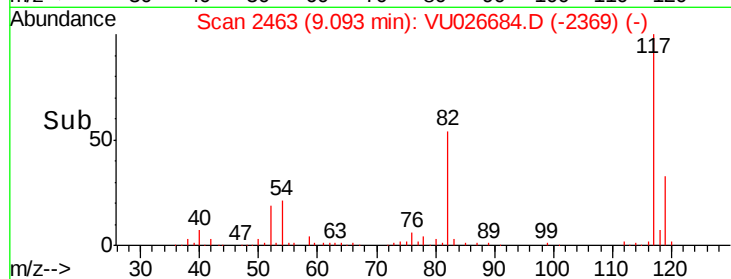
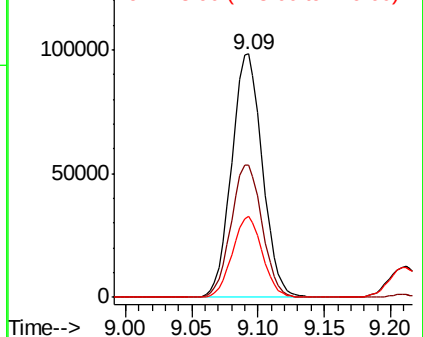
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2463
Delta R.T. 0.00 min
Lab File: VU026684.D
Acq: 11 Sep 2018 17:24

Instrument :
MSVOA_U
ClientSampleId :
VU0912MBS01

Tgt Ion:117 Resp: 158816
Ion Ratio Lower Upper
117 100
82 54.1 44.1 66.1
119 33.1 25.7 38.5



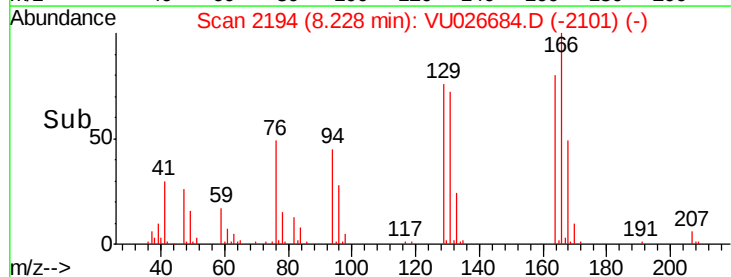
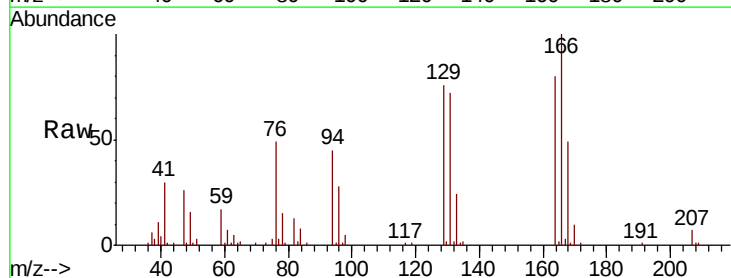
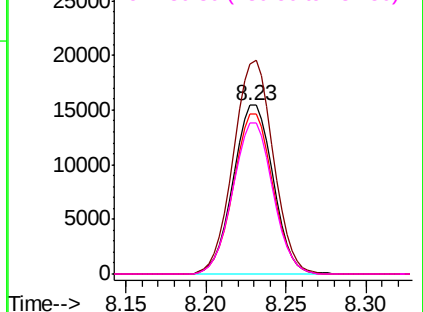
Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VU0
Ion 118.90 (118.60 to 119.60): V

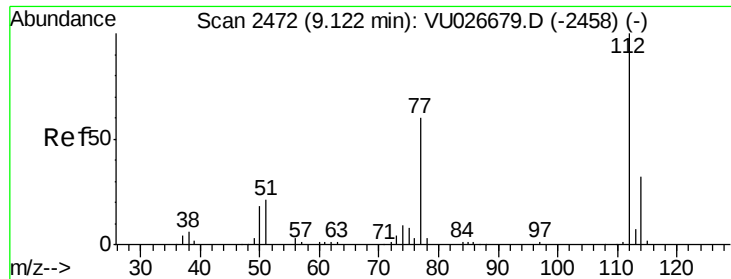


#64
Tetrachloroethene
Concen: 20.820 ug/l
RT: 8.23 min Scan# 2194
Delta R.T. 0.00 min
Lab File: VU026684.D
Acq: 11 Sep 2018 17:24

Tgt Ion:164 Resp: 26317
Ion Ratio Lower Upper
164 100
166 124.6 100.5 150.7
129 94.7 75.3 112.9
131 89.2 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

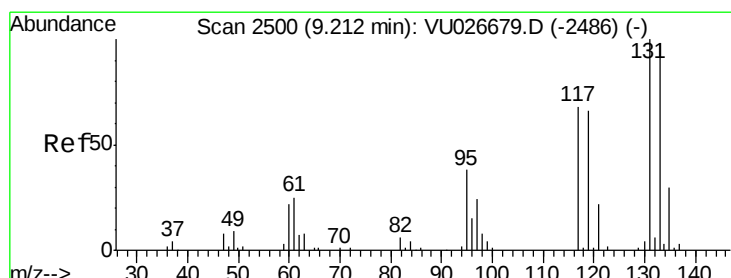
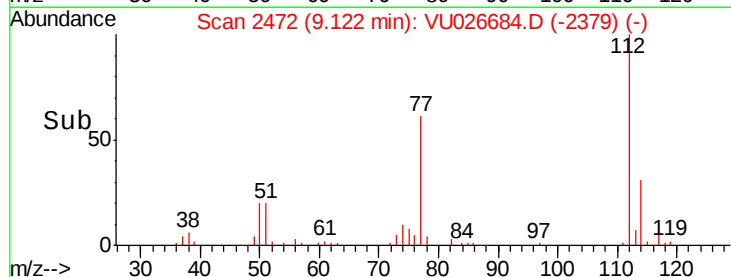
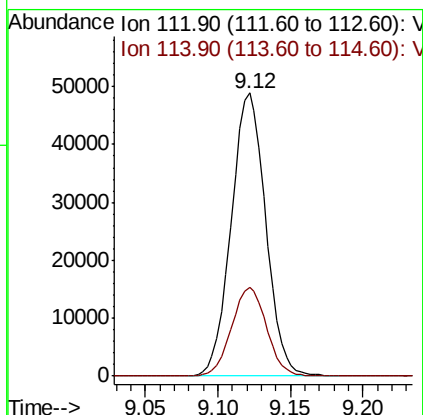
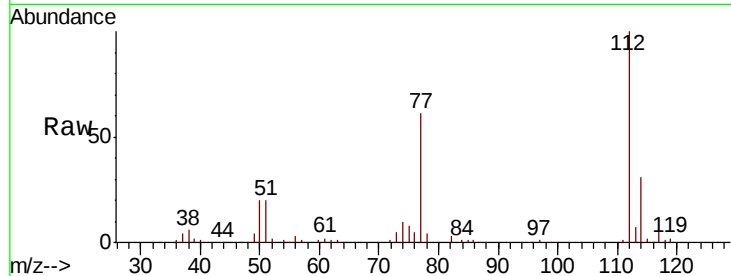




#65
Chlorobenzene
Concen: 20.466 ug/l
RT: 9.12 min Scan# 2472
Delta R.T. 0.00 min
Lab File: VU026684.D
Acq: 11 Sep 2018 17:24

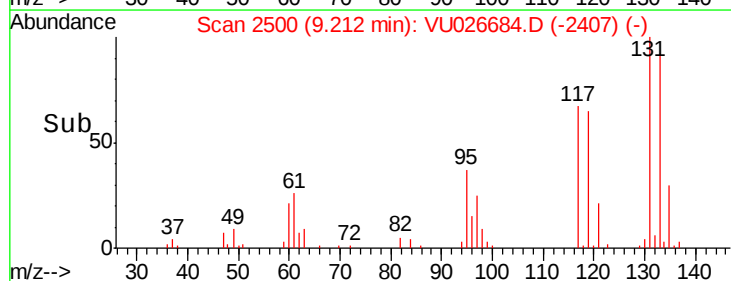
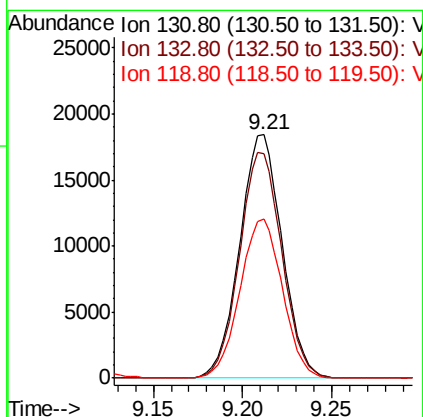
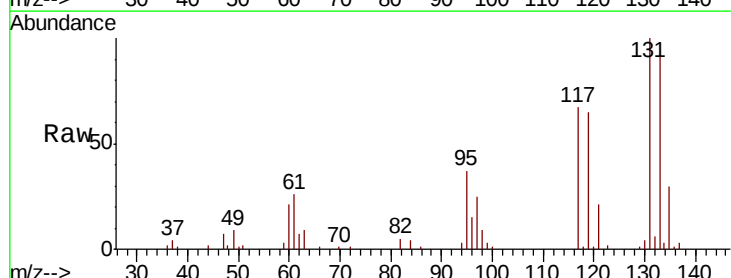
Instrument :
MSVOA_U
ClientSampleId :
VU0912MBS01

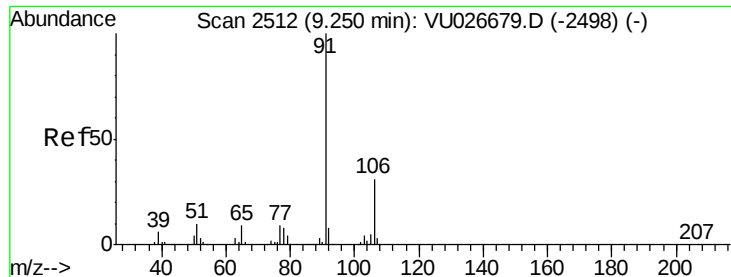
Tgt Ion:112 Resp: 80751
Ion Ratio Lower Upper
112 100
114 31.2 25.5 38.3



#66
1,1,1,2-Tetrachloroethane
Concen: 21.094 ug/l
RT: 9.21 min Scan# 2500
Delta R.T. 0.00 min
Lab File: VU026684.D
Acq: 11 Sep 2018 17:24

Tgt Ion:131 Resp: 30623
Ion Ratio Lower Upper
131 100
133 92.7 48.9 146.6
119 65.4 32.7 98.1





#67

Ethyl Benzene

Concen: 20.768 ug/l

RT: 9.25 min Scan# 2512

Delta R.T. 0.00 min

Lab File: VU026684.D

Acq: 11 Sep 2018 17:24

Instrument :

MSVOA_U

ClientSampleId :

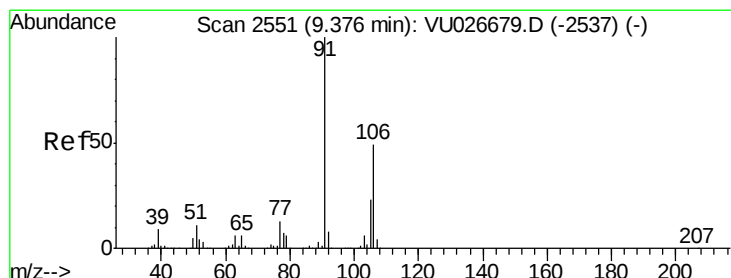
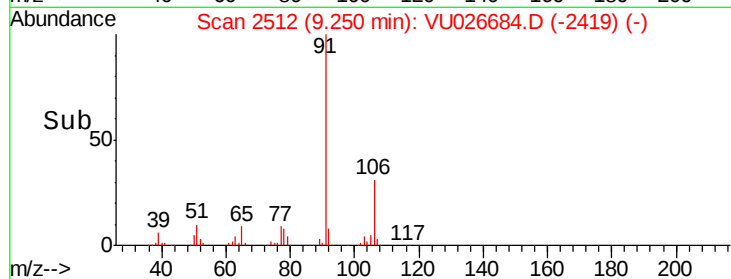
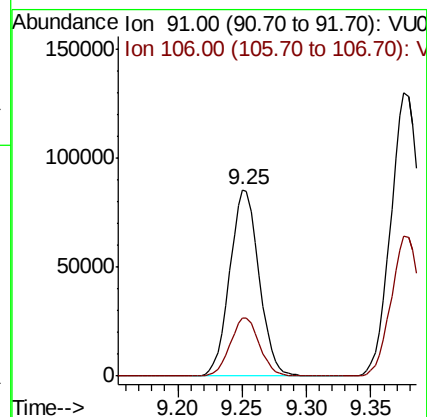
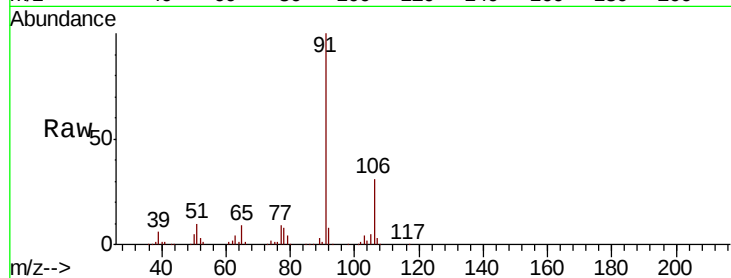
VU0912MBS01

Tgt Ion: 91 Resp: 134988

Ion Ratio Lower Upper

91 100

106 31.3 25.0 37.4



#68

m/p-Xylenes

Concen: 42.072 ug/l

RT: 9.38 min Scan# 2551

Delta R.T. 0.00 min

Lab File: VU026684.D

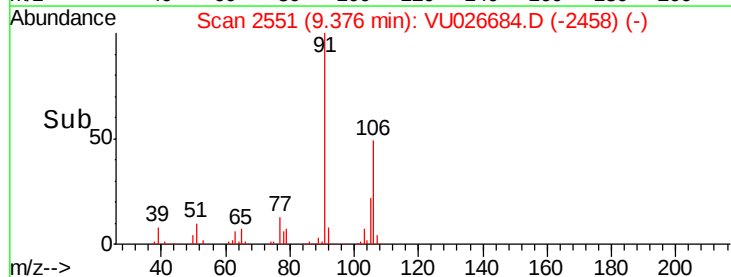
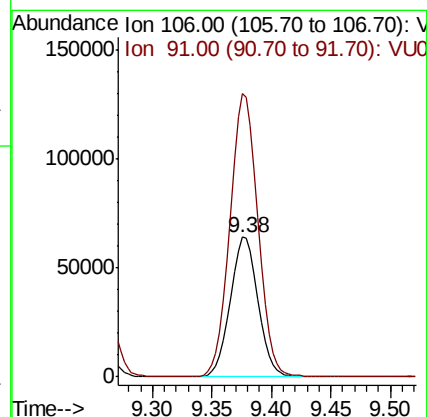
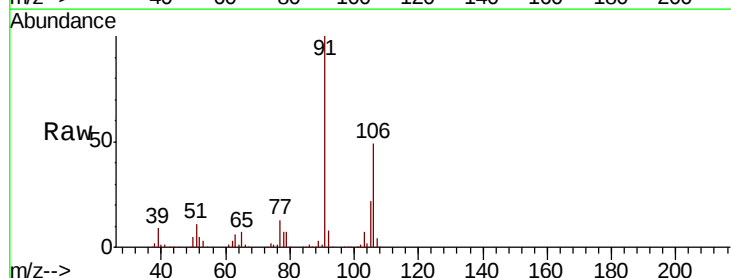
Acq: 11 Sep 2018 17:24

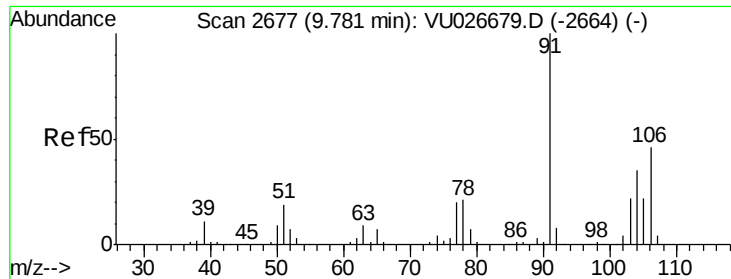
Tgt Ion: 106 Resp: 104025

Ion Ratio Lower Upper

106 100

91 204.6 162.1 243.1

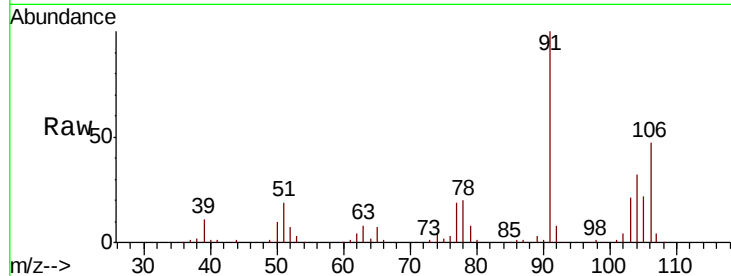




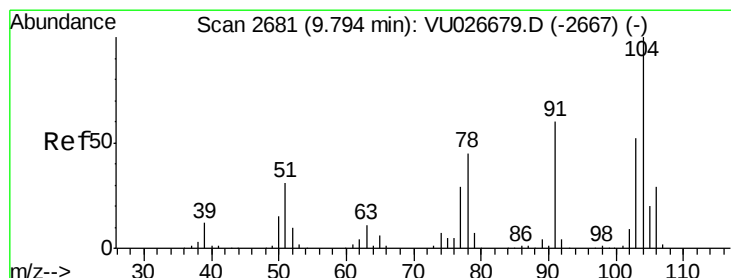
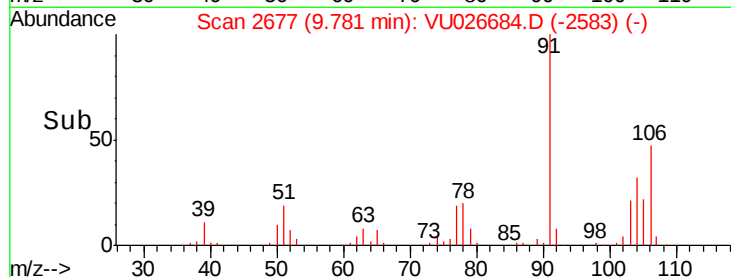
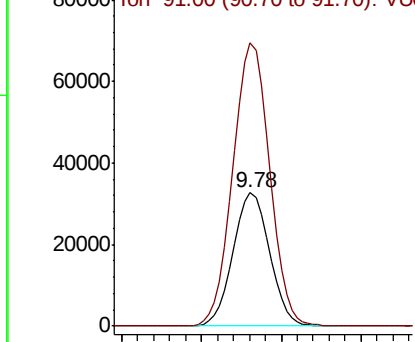
#69
o-Xylene
Concen: 20.016 ug/l
RT: 9.78 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VU026684.D
Acq: 11 Sep 2018 17:24

Instrument :
MSVOA_U
ClientSampleId :
VU0912MBS01

Tgt Ion:106 Resp: 50873
Ion Ratio Lower Upper
106 100
91 213.8 106.9 320.8

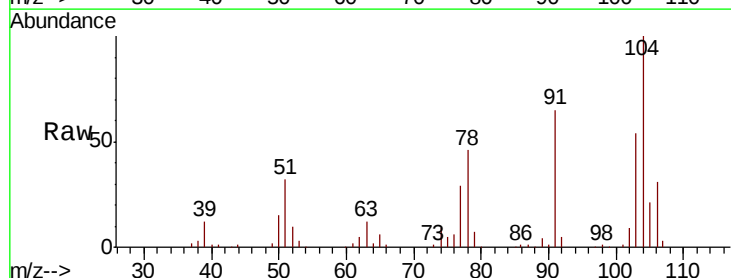


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

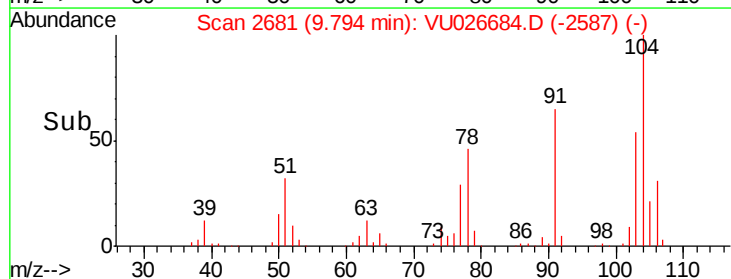
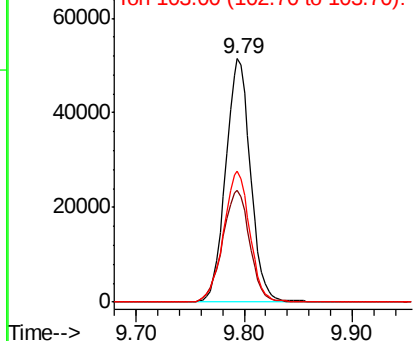


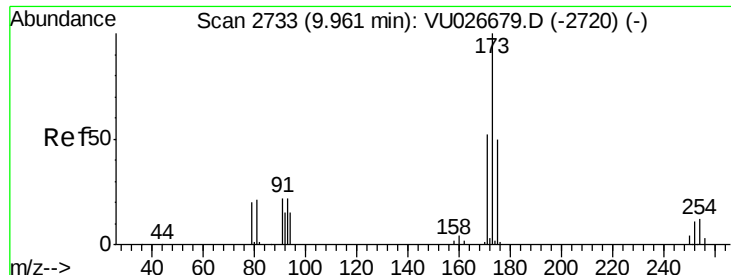
#70
Styrene
Concen: 19.720 ug/l
RT: 9.79 min Scan# 2681
Delta R.T. 0.00 min
Lab File: VU026684.D
Acq: 11 Sep 2018 17:24

Tgt Ion:104 Resp: 82554
Ion Ratio Lower Upper
104 100
78 50.1 39.4 59.2
103 56.6 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

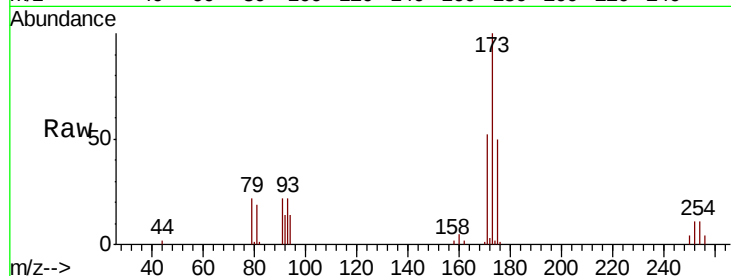




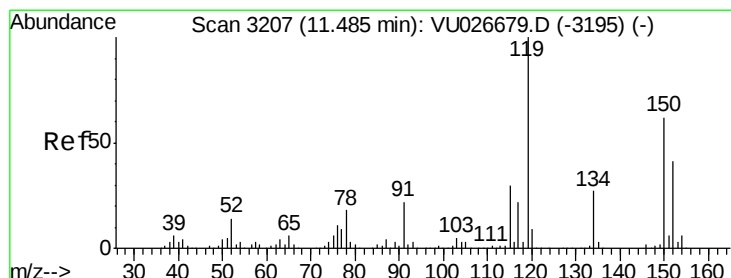
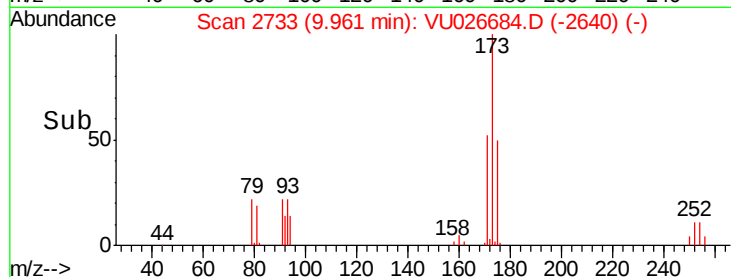
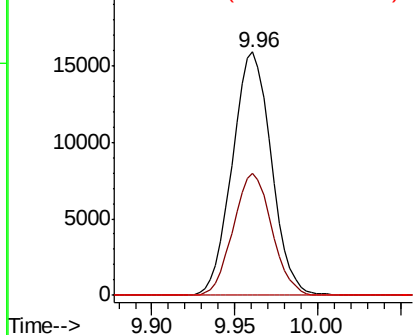
#71
Bromoform
Concen: 20.635 ug/l
RT: 9.96 min Scan# 2733
Delta R.T. 0.00 min
Lab File: VU026684.D
Acq: 11 Sep 2018 17:24

Instrument :
MSVOA_U
ClientSampleId :
VU0912MBS01

Tgt Ion:173 Resp: 26055
Ion Ratio Lower Upper
173 100
175 49.2 24.7 74.1
254 0.0 0.0 0.0

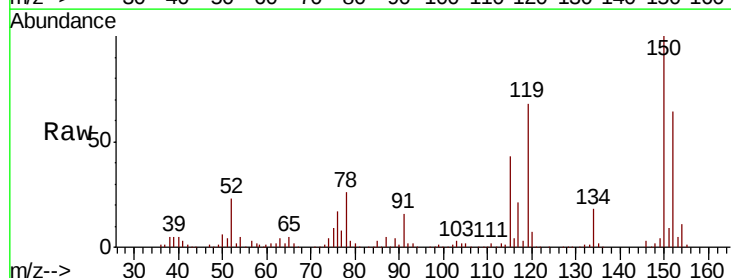


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

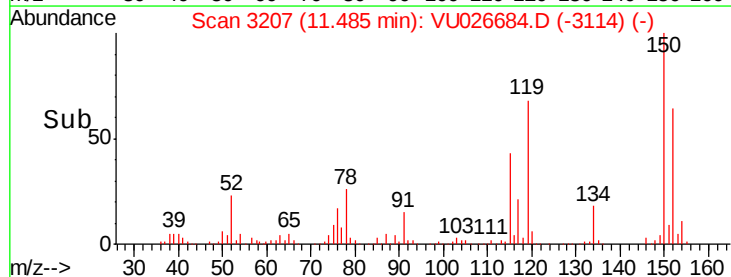
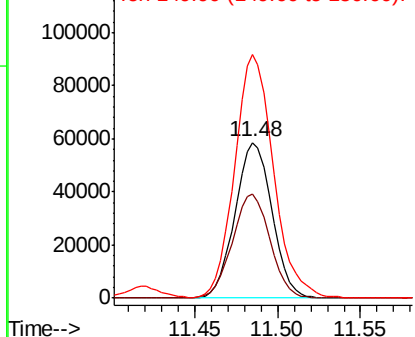


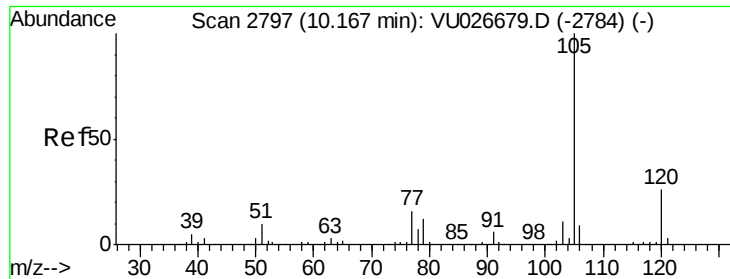
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.48 min Scan# 3207
Delta R.T. 0.00 min
Lab File: VU026684.D
Acq: 11 Sep 2018 17:24

Tgt Ion:152 Resp: 90890
Ion Ratio Lower Upper
152 100
115 68.0 40.4 121.1
150 164.3 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: 21.778 ug/l

RT: 10.17 min Scan# 2798

Delta R.T. 0.00 min

Lab File: VU026684.D

Acq: 11 Sep 2018 17:24

Instrument :

MSVOA_U

ClientSampleId :

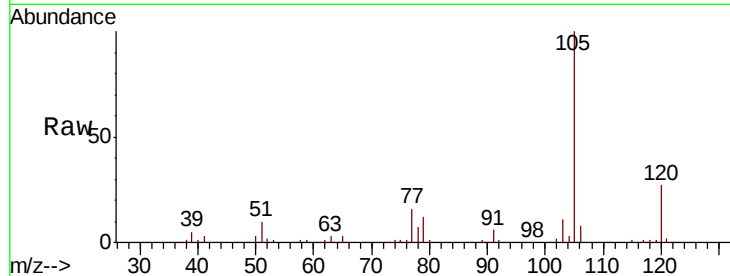
VU0912MBS01

Tgt Ion: 105 Resp: 134884

Ion Ratio Lower Upper

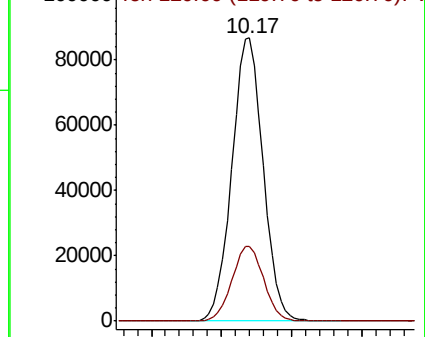
105 100

120 26.8 13.3 39.9

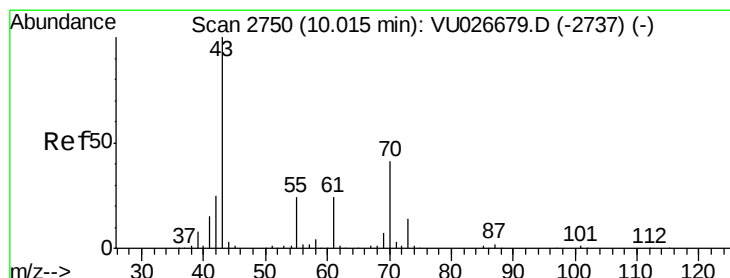
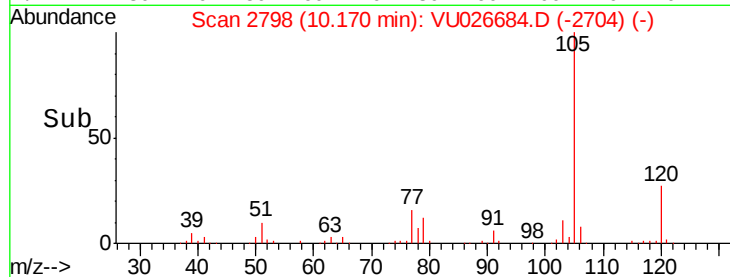


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



Time-->



#74

N-ethyl acetate

Concen: 21.538 ug/l

RT: 10.02 min Scan# 2750

Delta R.T. 0.00 min

Lab File: VU026684.D

Acq: 11 Sep 2018 17:24

Tgt Ion: 43 Resp: 62979

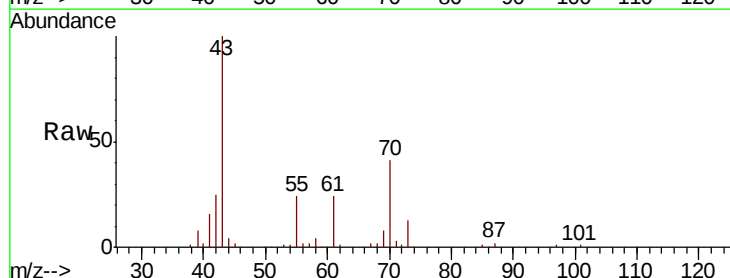
Ion Ratio Lower Upper

43 100

70 41.1 32.6 48.8

55 24.5 19.1 28.7

61 23.2 19.4 29.0

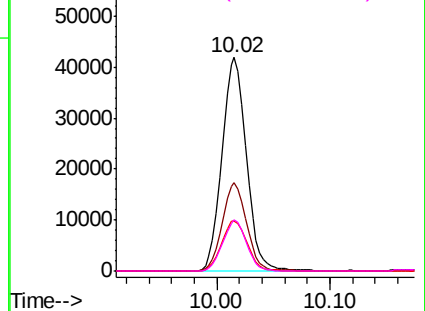


Abundance Ion 43.00 (42.70 to 43.70): VU0

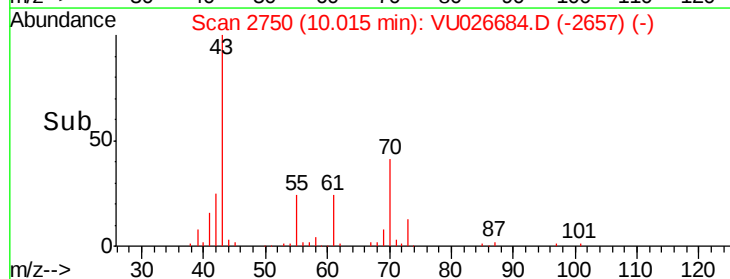
Ion 70.00 (69.70 to 70.70): VU0

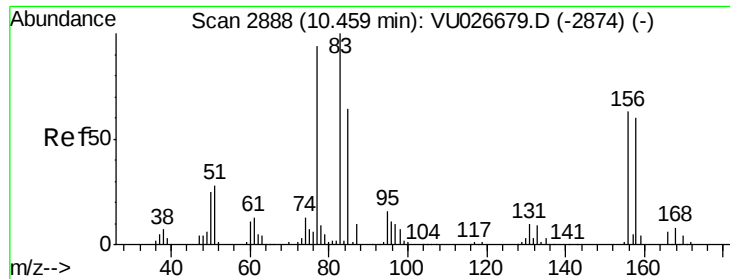
Ion 55.00 (54.70 to 55.70): VU0

Ion 61.00 (60.70 to 61.70): VU0



Time-->

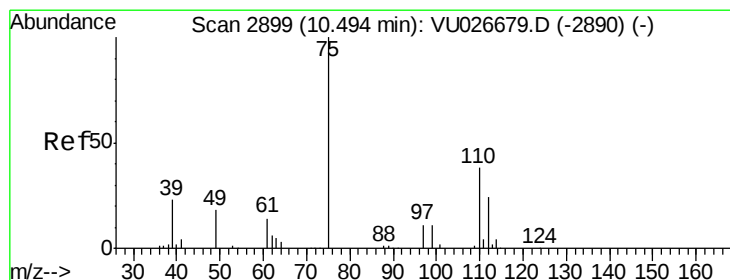
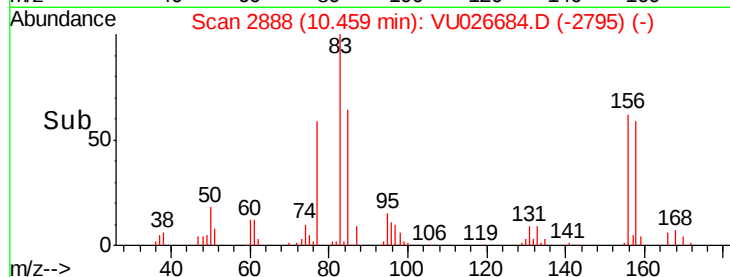
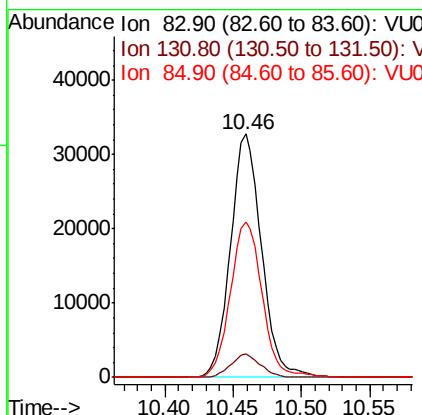
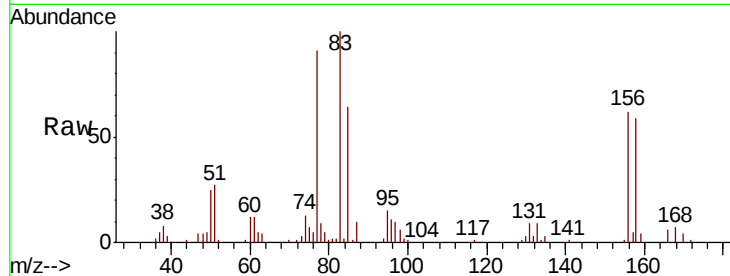




#75
 1,1,2,2-Tetrachloroethane
 Concen: 20.554 ug/l
 RT: 10.46 min Scan# 2888
 Delta R.T. 0.00 min
 Lab File: VU026684.D
 Acq: 11 Sep 2018 17:24

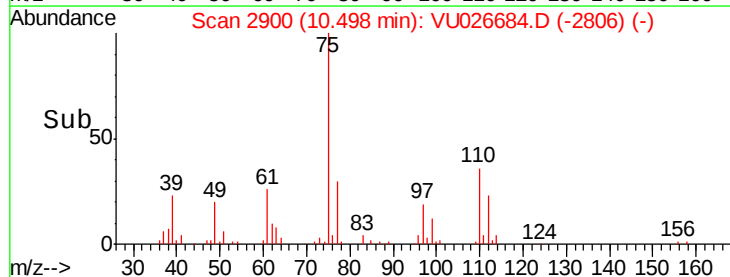
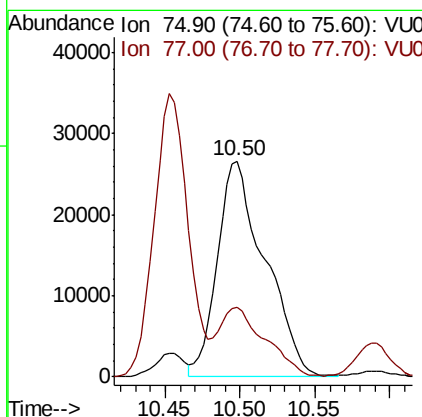
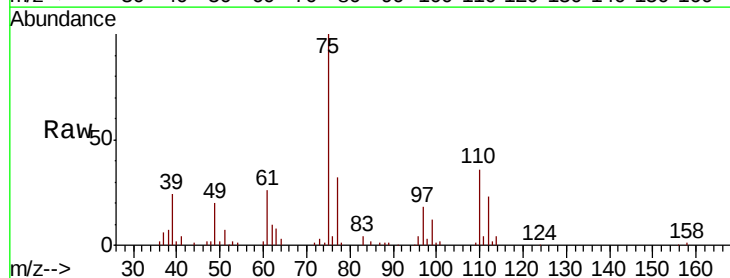
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0912MBS01

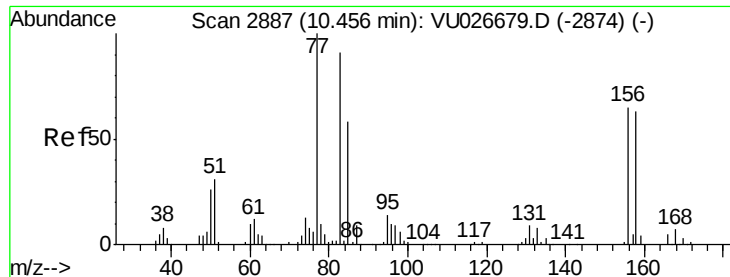
Tgt Ion: 83 Resp: 51881
 Ion Ratio Lower Upper
 83 100
 131 9.1 4.9 14.6
 85 65.1 32.3 96.9



#76
 1,2,3-Trichloropropane
 Concen: 29.069 ug/l
 RT: 10.50 min Scan# 2900
 Delta R.T. 0.00 min
 Lab File: VU026684.D
 Acq: 11 Sep 2018 17:24

Tgt Ion: 75 Resp: 59184
 Ion Ratio Lower Upper
 75 100
 77 30.3 21.1 63.1





#77

Bromobenzene

Concen: 21.307 ug/l

RT: 10.46 min Scan# 2887

Delta R.T. 0.00 min

Lab File: VU026684.D

Acq: 11 Sep 2018 17:24

Instrument :

MSVOA_U

ClientSampleId :

VU0912MBS01

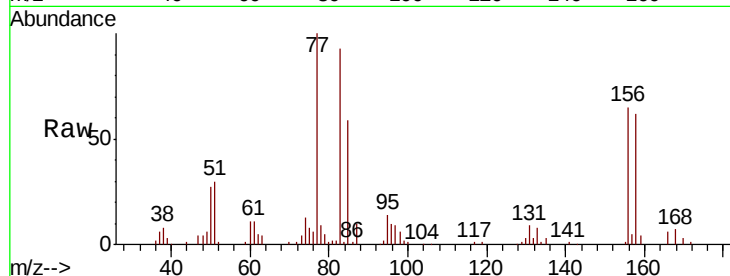
Tgt Ion:156 Resp: 35867

Ion Ratio Lower Upper

156 100

77 152.6 77.6 232.9

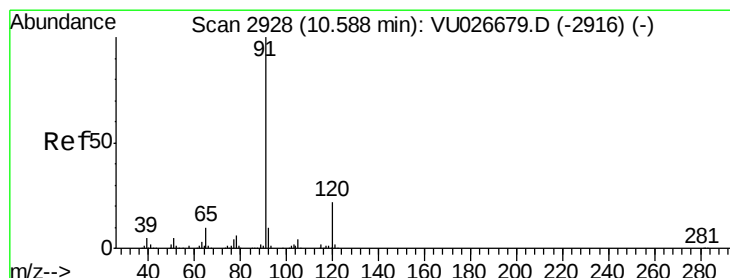
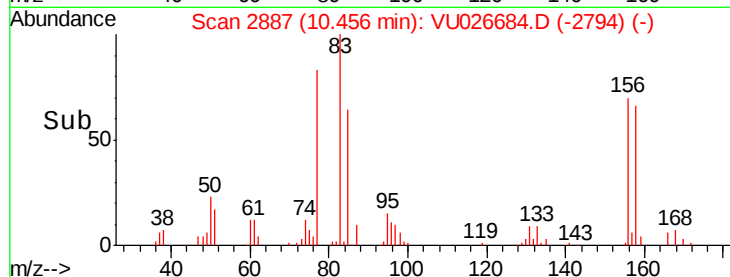
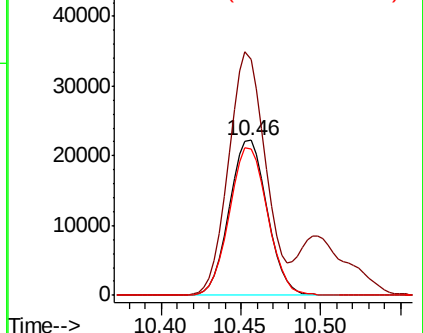
158 95.8 48.9 146.6



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: 21.927 ug/l

RT: 10.59 min Scan# 2928

Delta R.T. 0.00 min

Lab File: VU026684.D

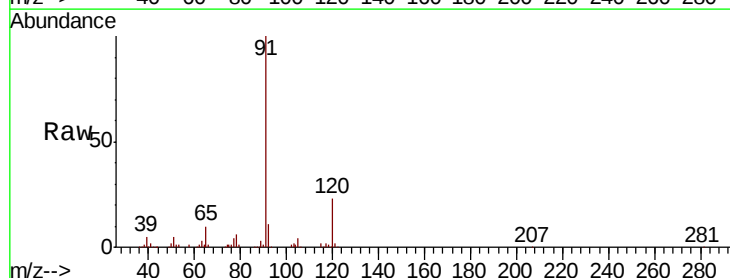
Acq: 11 Sep 2018 17:24

Tgt Ion: 91 Resp: 157955

Ion Ratio Lower Upper

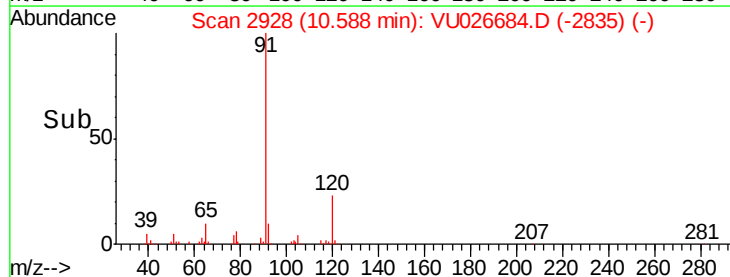
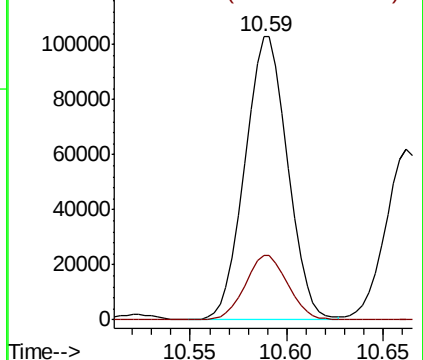
91 100

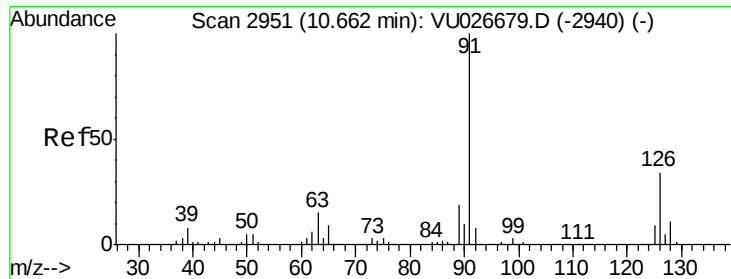
120 22.7 11.4 34.1



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V

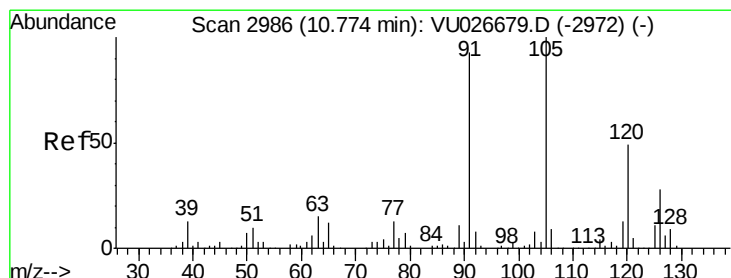
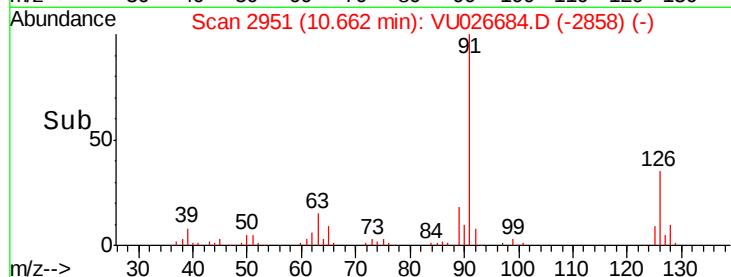
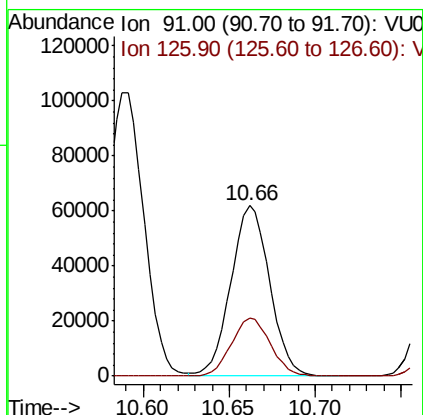
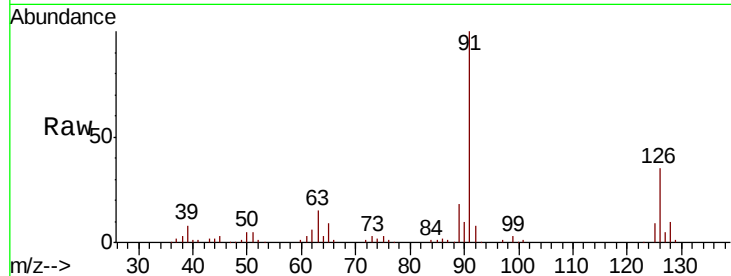




#79
 2-Chlorotoluene
 Concen: 21.569 ug/l
 RT: 10.66 min Scan# 2951
 Delta R.T. 0.00 min
 Lab File: VU026684.D
 Acq: 11 Sep 2018 17:24

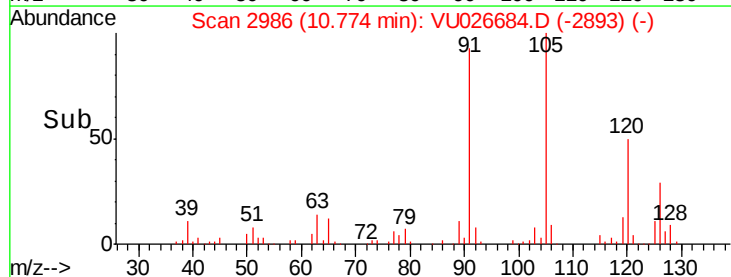
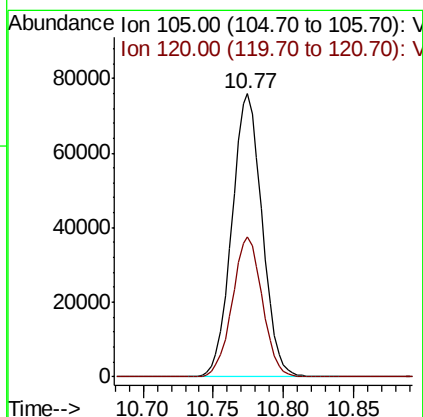
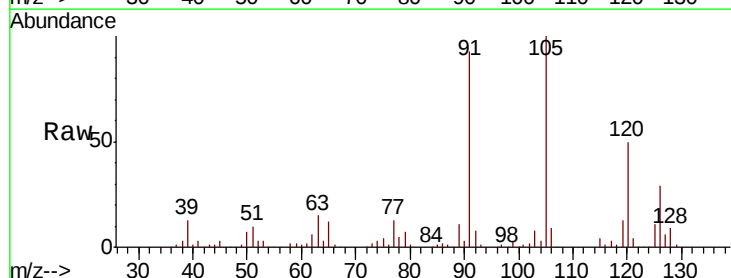
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0912MBS01

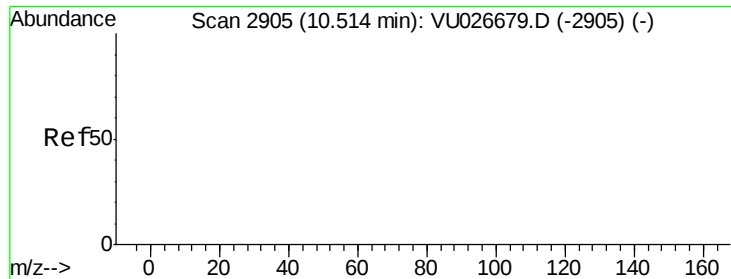
Tgt Ion: 91 Resp: 96316
 Ion Ratio Lower Upper
 91 100
 126 34.6 17.3 51.7



#80
 1,3,5-Trimethylbenzene
 Concen: 21.907 ug/l
 RT: 10.77 min Scan# 2986
 Delta R.T. 0.00 min
 Lab File: VU026684.D
 Acq: 11 Sep 2018 17:24

Tgt Ion: 105 Resp: 114047
 Ion Ratio Lower Upper
 105 100
 120 48.9 24.6 74.0





#81

trans-1,4-Dichloro-2-butene

Concen: 82.070 ug/l

RT: 10.50 min Scan# 2900

Delta R.T. -0.02 min

Lab File: VU026684.D

Acq: 11 Sep 2018 17:24

Instrument :

MSVOA_U

ClientSampleId :

VU0912MBS01

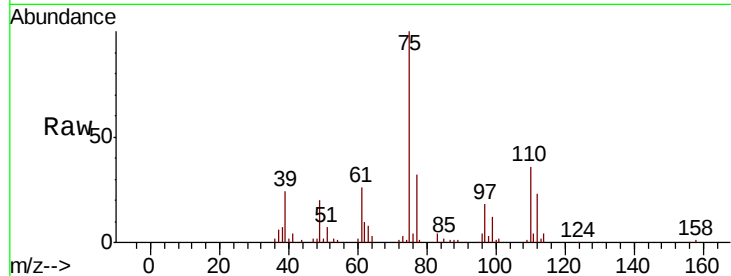
Tgt Ion: 75 Resp: 59184

Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

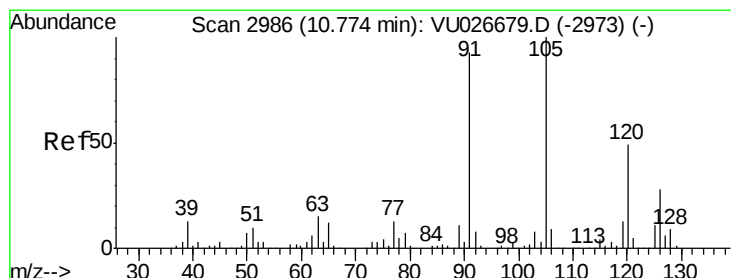
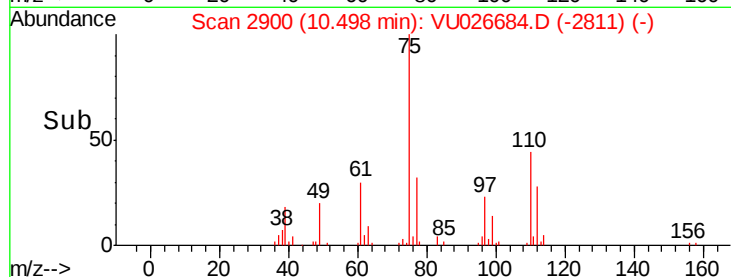
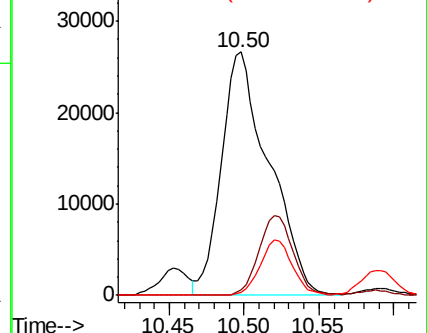
89 0.0 0.0 0.0



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: 21.527 ug/l

RT: 10.77 min Scan# 2986

Delta R.T. 0.00 min

Lab File: VU026684.D

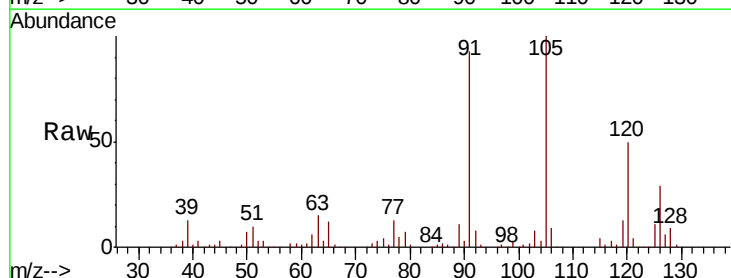
Acq: 11 Sep 2018 17:24

Tgt Ion: 91 Resp: 108005

Ion Ratio Lower Upper

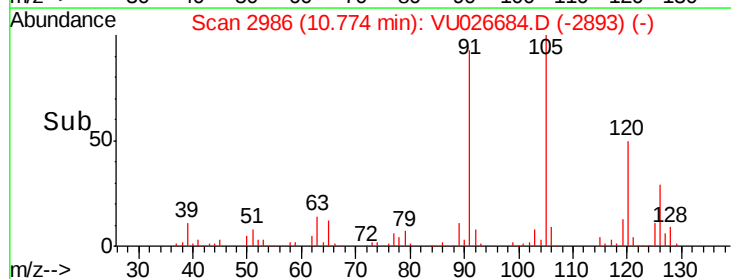
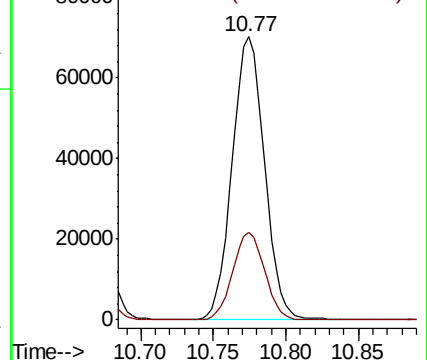
91 100

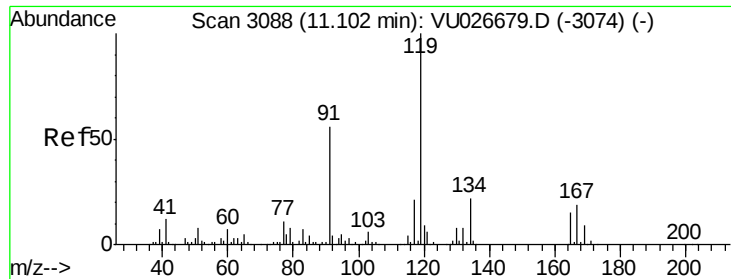
126 30.6 15.2 45.5



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 125.90 (125.60 to 126.60): V

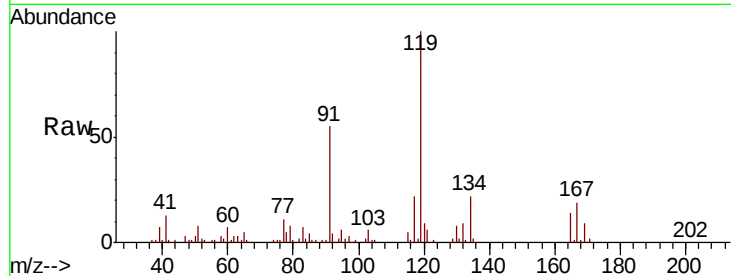




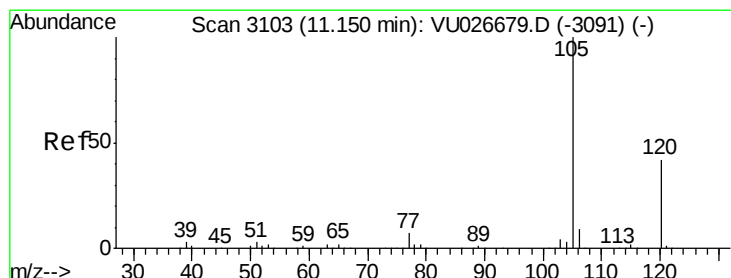
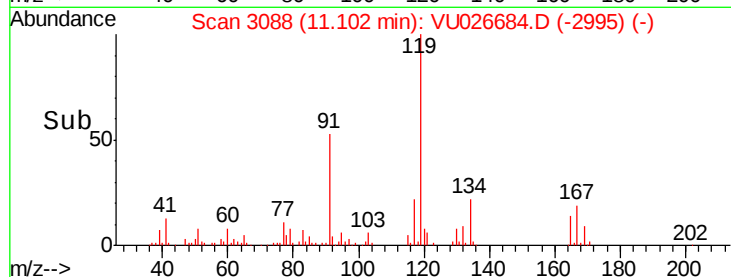
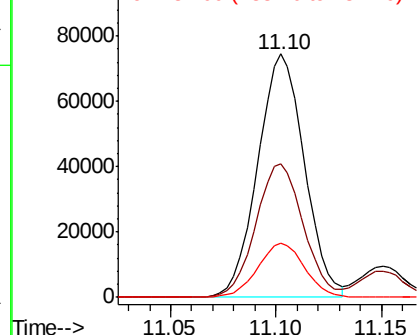
#83
 tert-Butylbenzene
 Concen: 21.701 ug/l
 RT: 11.10 min Scan# 3088
 Delta R.T. 0.00 min
 Lab File: VU026684.D
 Acq: 11 Sep 2018 17:24

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0912MBS01

Tgt Ion:119 Resp: 114653
 Ion Ratio Lower Upper
 119 100
 91 55.9 28.3 85.0
 134 22.3 11.2 33.5

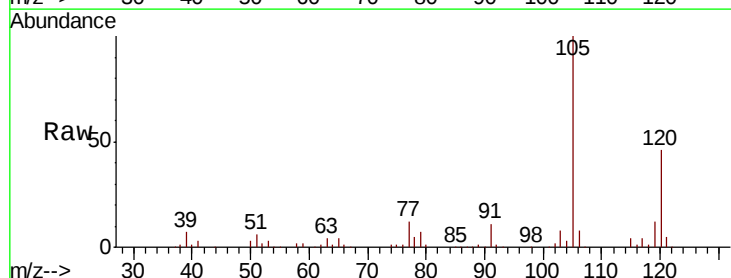


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): VU0
 Ion 134.00 (133.70 to 134.70): V

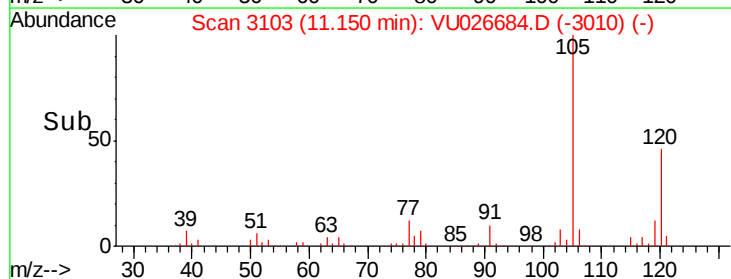
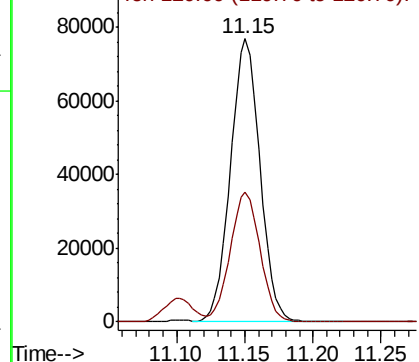


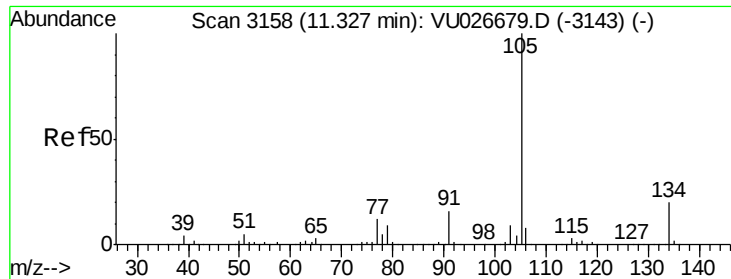
#84
 1,2,4-Trimethylbenzene
 Concen: 22.037 ug/l
 RT: 11.15 min Scan# 3103
 Delta R.T. 0.00 min
 Lab File: VU026684.D
 Acq: 11 Sep 2018 17:24

Tgt Ion:105 Resp: 115715
 Ion Ratio Lower Upper
 105 100
 120 46.3 23.3 69.8



Abundance Ion 105.00 (104.70 to 105.70): V
 Ion 120.00 (119.70 to 120.70): V

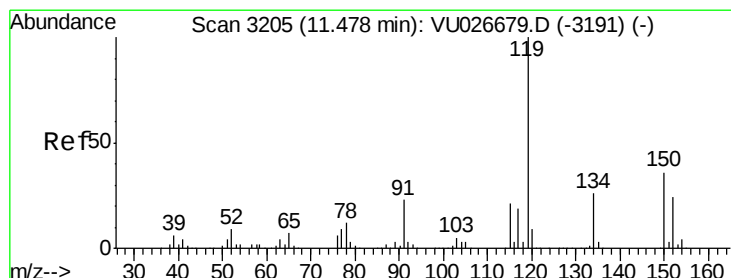
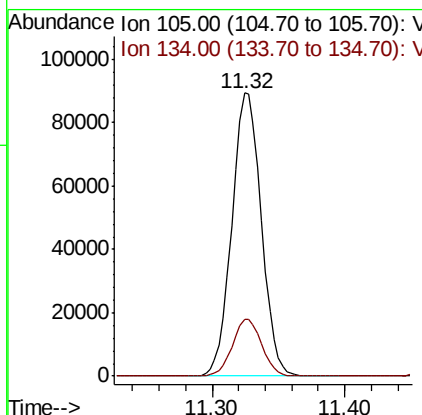
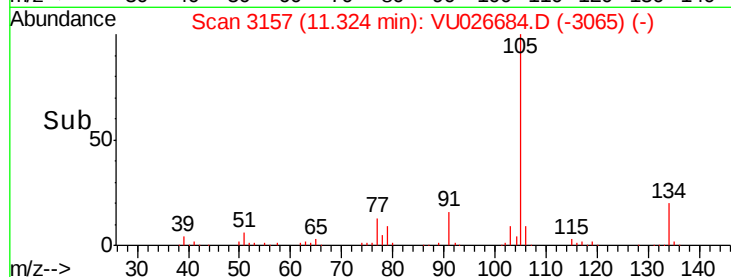
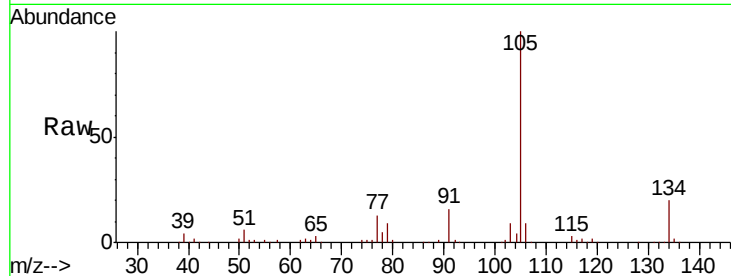




#85
 sec-Butylbenzene
 Concen: 21.916 ug/l
 RT: 11.32 min Scan# 3157
 Delta R.T. -0.00 min
 Lab File: VU026684.D
 Acq: 11 Sep 2018 17:24

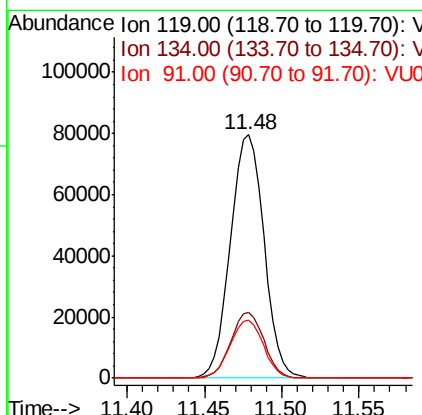
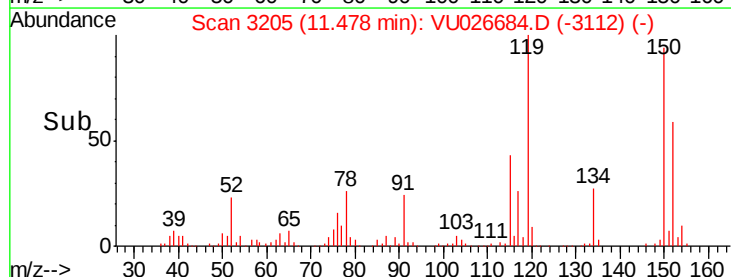
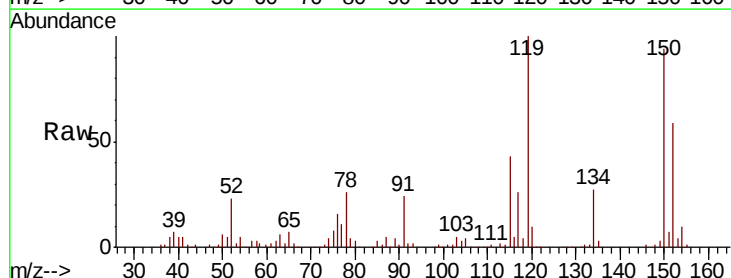
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0912MBS01

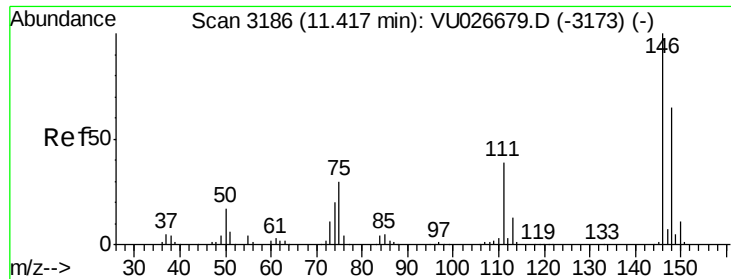
Tgt Ion:105 Resp: 137506
 Ion Ratio Lower Upper
 105 100
 134 19.9 10.1 30.1



#86
 p-Isopropyltoluene
 Concen: 20.507 ug/l
 RT: 11.48 min Scan# 3205
 Delta R.T. 0.00 min
 Lab File: VU026684.D
 Acq: 11 Sep 2018 17:24

Tgt Ion:119 Resp: 119886
 Ion Ratio Lower Upper
 119 100
 134 26.7 13.2 39.5
 91 23.7 11.6 34.8

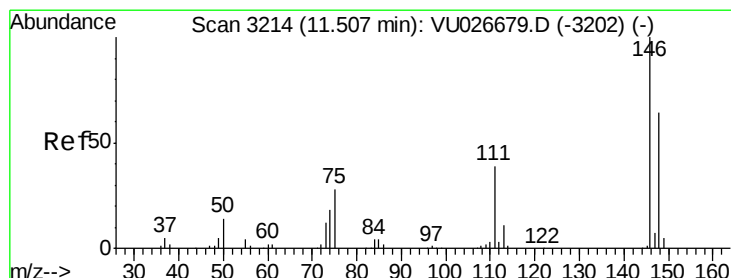
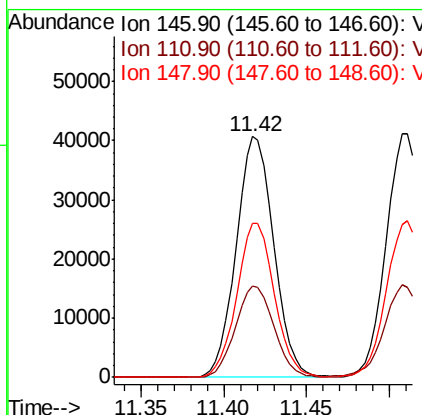
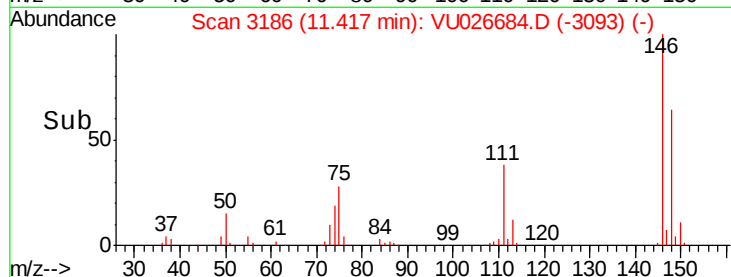
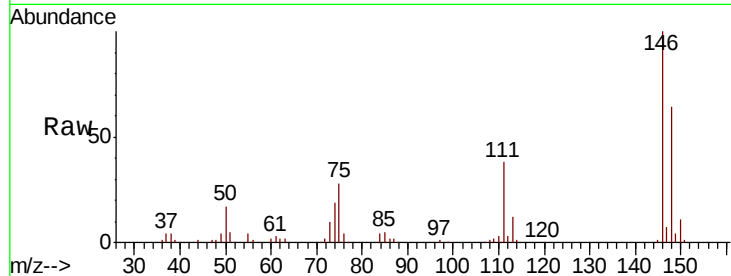




#87
 1,3-Dichlorobenzene
 Concen: 20.445 ug/l
 RT: 11.42 min Scan# 3186
 Delta R.T. 0.00 min
 Lab File: VU026684.D
 Acq: 11 Sep 2018 17:24

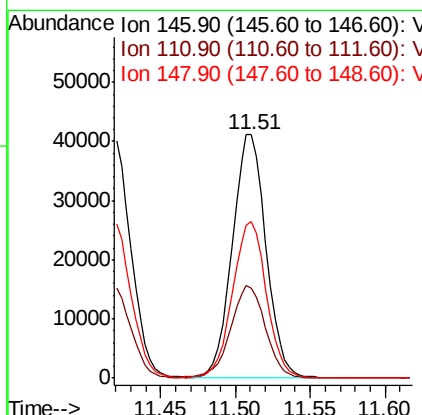
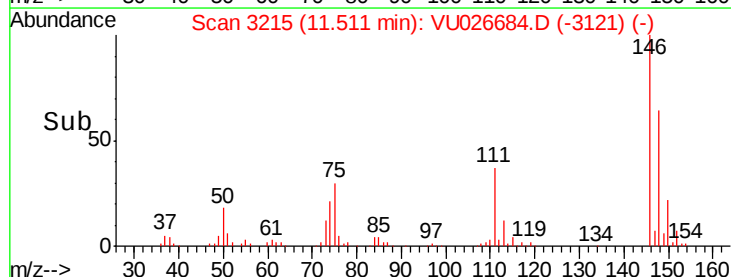
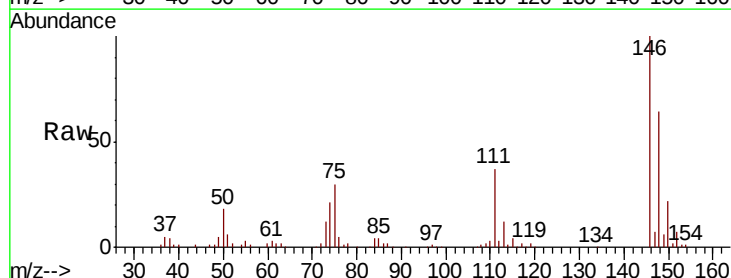
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0912MBS01

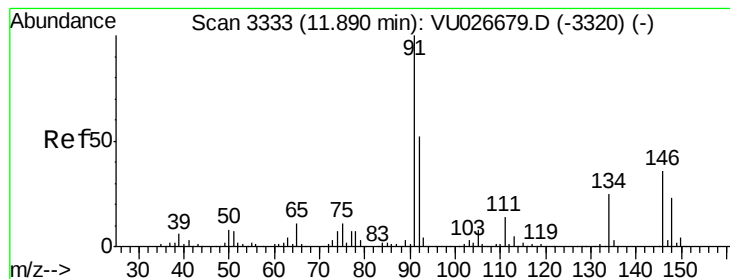
Tgt Ion:146 Resp: 64205
 Ion Ratio Lower Upper
 146 100
 111 38.5 19.7 59.1
 148 63.8 32.1 96.3



#88
 1,4-Dichlorobenzene
 Concen: 19.814 ug/l
 RT: 11.51 min Scan# 3215
 Delta R.T. 0.00 min
 Lab File: VU026684.D
 Acq: 11 Sep 2018 17:24

Tgt Ion:146 Resp: 64621
 Ion Ratio Lower Upper
 146 100
 111 39.4 19.2 57.6
 148 64.7 32.1 96.3





#89

n-Butylbenzene

Concen: 20.001 ug/l

RT: 11.89 min Scan# 3333

Delta R.T. 0.00 min

Lab File: VU026684.D

Acq: 11 Sep 2018 17:24

Instrument :

MSVOA_U

ClientSampleId :

VU0912MBS01

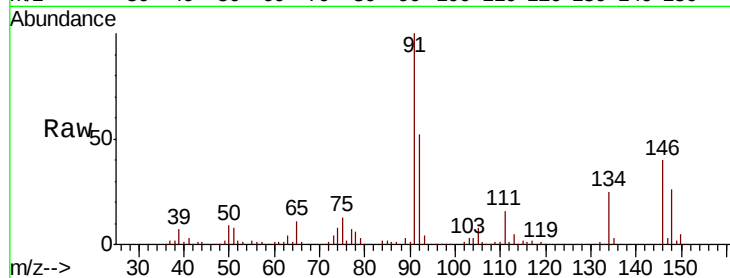
Tgt Ion: 91 Resp: 103374

Ion Ratio Lower Upper

91 100

92 51.5 25.8 77.3

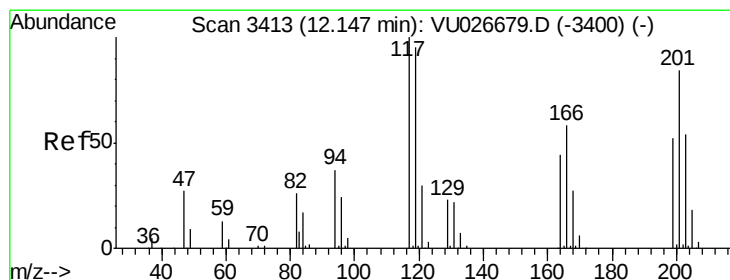
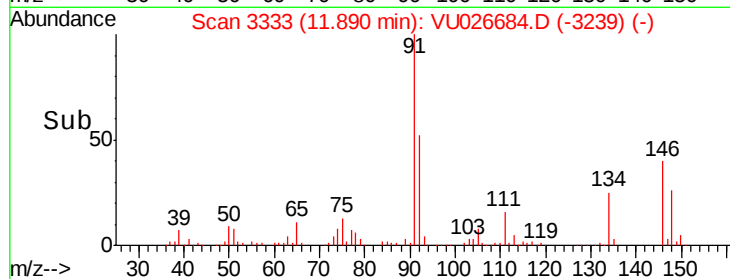
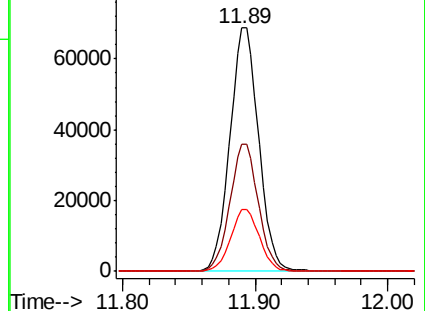
134 25.3 12.6 37.8



Abundance Ion 91.00 (90.70 to 91.70): VU026679.D (-3320) (-)

Ion 92.00 (91.70 to 92.70): VU026679.D (-3320) (-)

Ion 134.00 (133.70 to 134.70): VU026679.D (-3320) (-)



#90

Hexachloroethane

Concen: 20.686 ug/l

RT: 12.15 min Scan# 3413

Delta R.T. 0.00 min

Lab File: VU026684.D

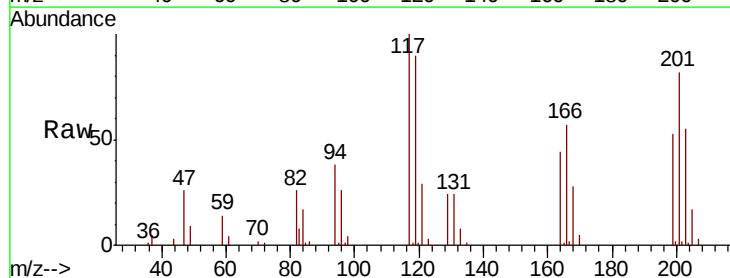
Acq: 11 Sep 2018 17:24

Tgt Ion: 117 Resp: 22902

Ion Ratio Lower Upper

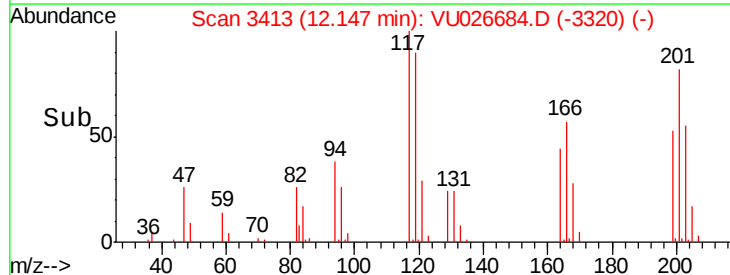
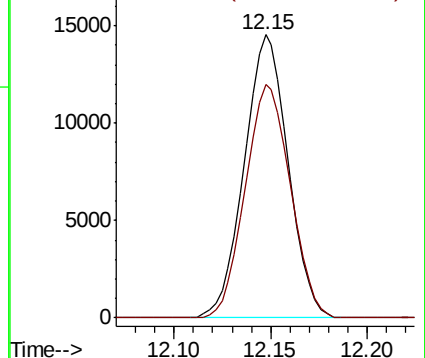
117 100

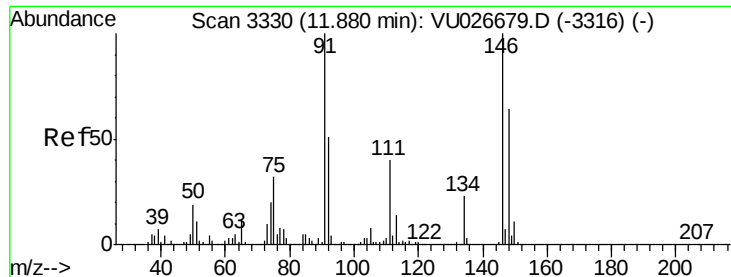
201 84.7 42.4 127.1



Abundance Ion 116.80 (116.50 to 117.50): VU026679.D (-3400) (-)

Ion 200.70 (200.40 to 201.40): VU026679.D (-3400) (-)

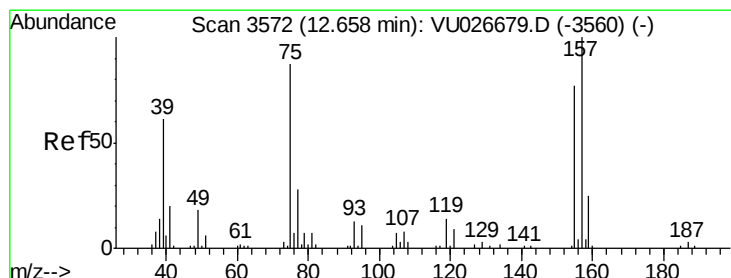
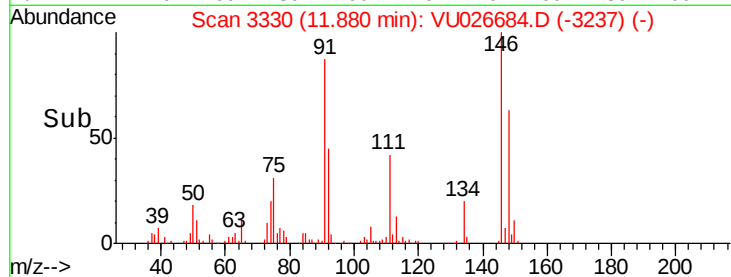
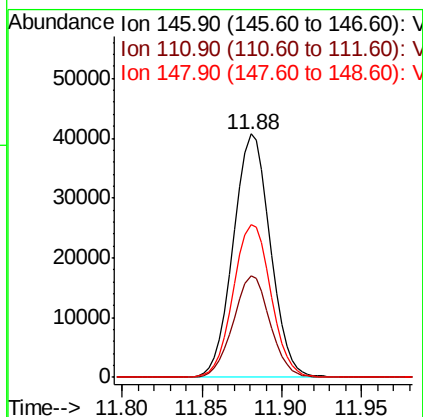
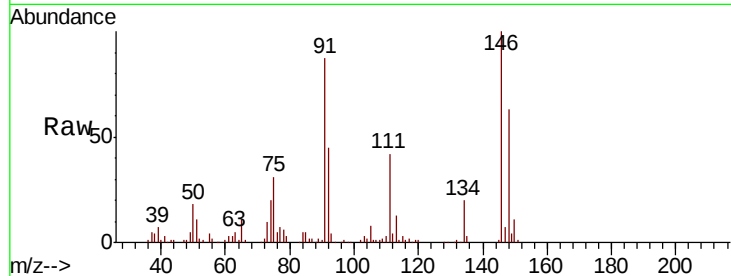




#91
 1,2-Dichlorobenzene
 Concen: 20.289 ug/l
 RT: 11.88 min Scan# 3330
 Delta R.T. 0.00 min
 Lab File: VU026684.D
 Acq: 11 Sep 2018 17:24

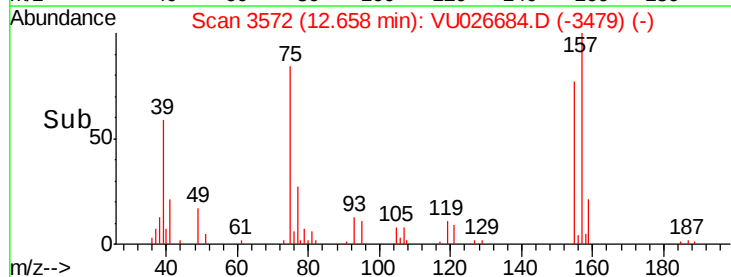
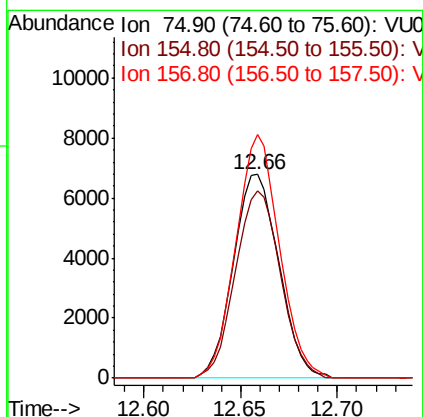
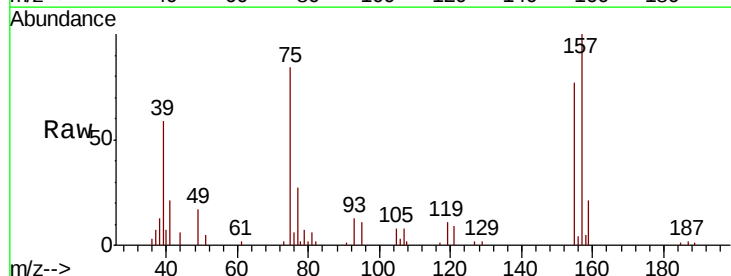
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0912MBS01

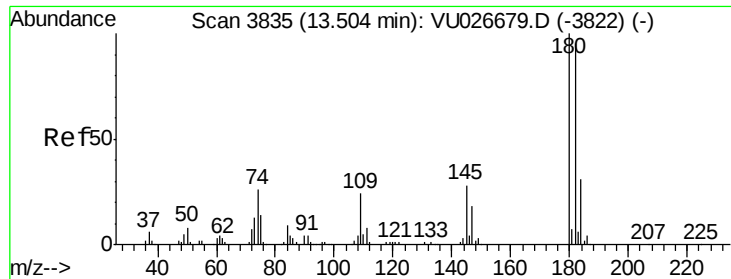
Tgt Ion: 146 Resp: 64094
 Ion Ratio Lower Upper
 146 100
 111 41.3 20.3 60.8
 148 63.9 32.1 96.3



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 22.017 ug/l
 RT: 12.66 min Scan# 3572
 Delta R.T. 0.00 min
 Lab File: VU026684.D
 Acq: 11 Sep 2018 17:24

Tgt Ion: 75 Resp: 11142
 Ion Ratio Lower Upper
 75 100
 155 90.6 44.1 132.4
 157 113.8 57.2 171.6

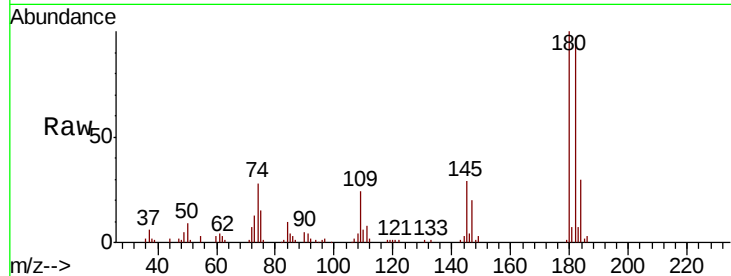




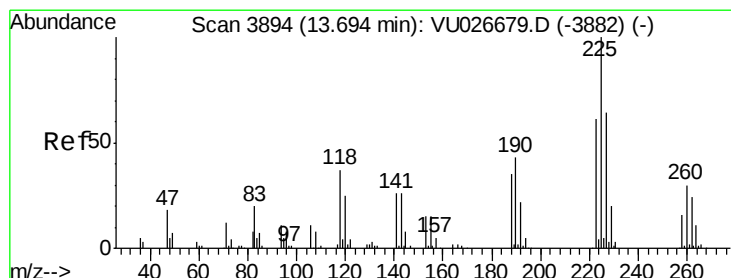
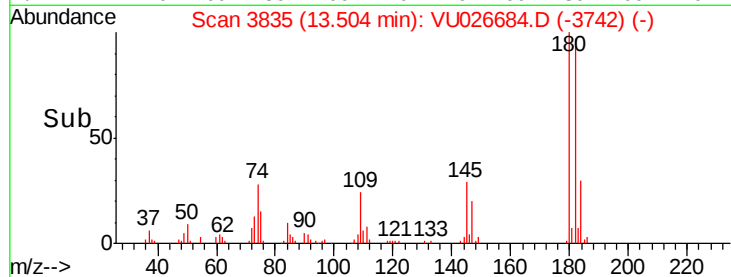
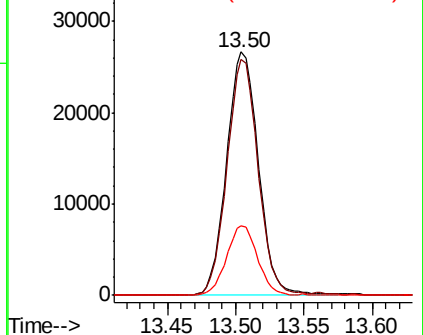
#93
 1,2,4-Trichlorobenzene
 Concen: 20.608 ug/l
 RT: 13.50 min Scan# 3835
 Delta R.T. 0.00 min
 Lab File: VU026684.D
 Acq: 11 Sep 2018 17:24

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0912MBS01

Tgt Ion:180 Resp: 43231
 Ion Ratio Lower Upper
 180 100
 182 94.6 47.9 143.7
 145 27.7 14.0 42.0

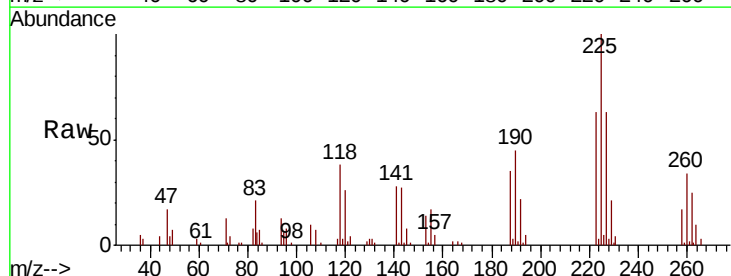


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

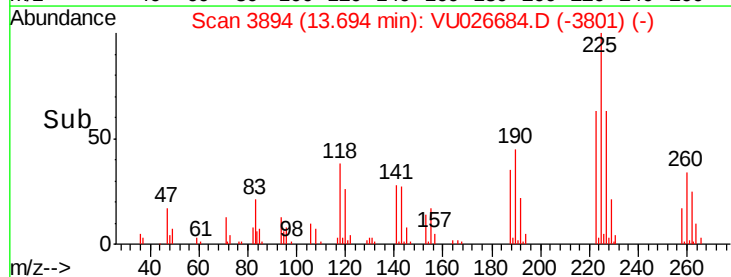
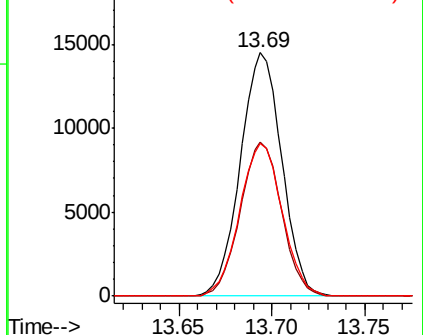


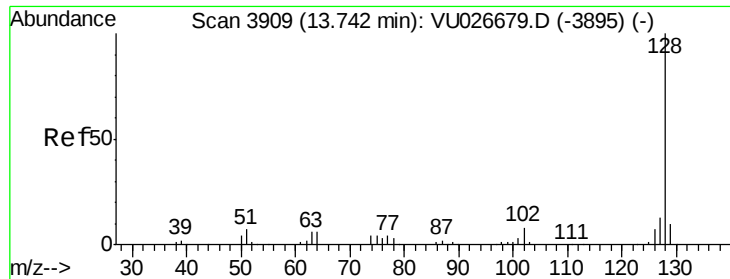
#94
 Hexachlorobutadiene
 Concen: 20.909 ug/l
 RT: 13.69 min Scan# 3894
 Delta R.T. 0.00 min
 Lab File: VU026684.D
 Acq: 11 Sep 2018 17:24

Tgt Ion:225 Resp: 22565
 Ion Ratio Lower Upper
 225 100
 223 63.0 30.6 92.0
 227 64.3 32.1 96.3



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V

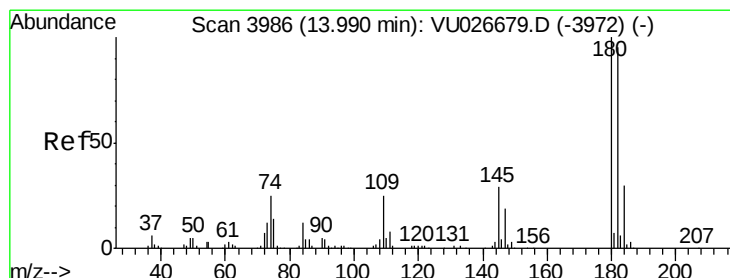
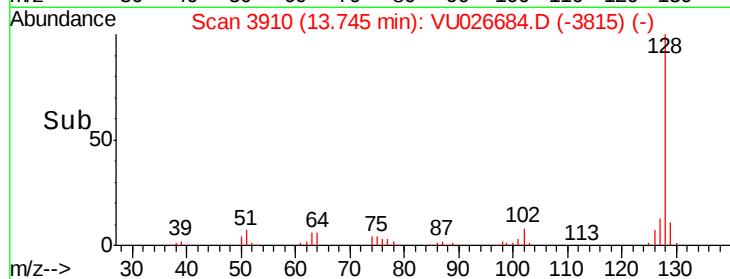
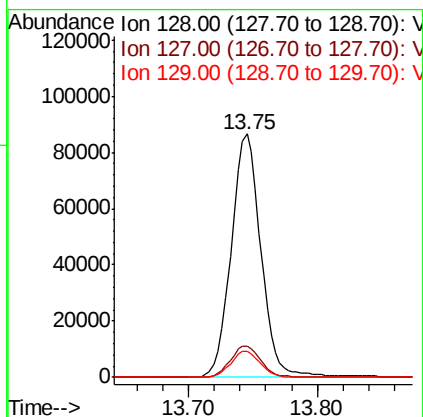
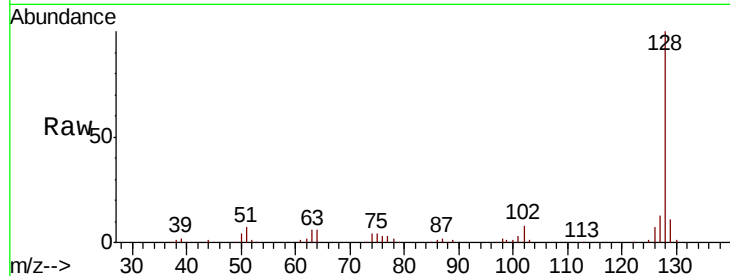




#95
Naphthalene
Concen: 20.218 ug/l
RT: 13.75 min Scan# 3910
Delta R.T. 0.00 min
Lab File: VU026684.D
Acq: 11 Sep 2018 17:24

Instrument :
MSVOA_U
ClientSampleId :
VU0912MBS01

Tgt Ion:128 Resp: 138327
Ion Ratio Lower Upper
128 100
127 13.2 10.4 15.6
129 10.9 8.6 12.8



#96
1,2,3-Trichlorobenzene
Concen: 21.160 ug/l
RT: 13.99 min Scan# 3986
Delta R.T. 0.00 min
Lab File: VU026684.D
Acq: 11 Sep 2018 17:24

Tgt Ion:180 Resp: 46359
Ion Ratio Lower Upper
180 100
182 96.4 47.9 143.7
145 28.9 14.9 44.9

