

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU063018\
 Data File : VU025083.D
 Acq On : 30 Jun 2018 13:08
 Operator : MD/SY
 Sample : VV0630MBS01
 Misc : 5.00g/10mL/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0630MBS01

Quant Time: Jul 02 05:35:47 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U061318W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 13 13:55:26 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	179841	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	267435	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	254093	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	146571	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.31	65	130806	44.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.10%	
35) Dibromofluoromethane	4.89	113	106573	48.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.04%	
50) Toluene-d8	7.57	98	351470	43.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.82%	
62) 4-Bromofluorobenzene	10.31	95	145680	45.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.64%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.20	85	38209	16.974	ug/l	97
3) Chloromethane	1.33	50	41813	18.181	ug/l	99
4) Vinyl Chloride	1.40	62	44533	18.777	ug/l	98
5) Bromomethane	1.62	94	30670	26.750	ug/l	99
6) Chloroethane	1.70	64	29756	21.859	ug/l	99
7) Trichlorofluoromethane	1.89	101	74916	20.698	ug/l	99
8) Diethyl Ether	2.10	74	27942	21.616	ug/l	89
9) 1,1,2-Trichlorotrifluoroet	2.29	101	44455	19.798	ug/l	96
10) Methyl Iodide	2.41	142	46808	27.315	ug/l	97
11) Tert butyl alcohol	2.82	59	74678	104.584	ug/l	99
12) 1,1-Dichloroethene	2.28	96	40959	20.002	ug/l	99
13) Acrolein	2.19	56	25235	67.300	ug/l	91
14) Allyl chloride	2.60	41	72325	19.022	ug/l	97
15) Acrylonitrile	2.94	53	144786	104.218	ug/l	98
16) Acetone	2.32	43	171879	108.958	ug/l	97
17) Carbon Disulfide	2.48	76	117793	17.964	ug/l	100
18) Methyl Acetate	2.62	43	83959	24.827	ug/l	99
19) Methyl tert-butyl Ether	3.00	73	164662	21.392	ug/l	96
20) Methylene Chloride	2.70	84	50958	20.588	ug/l	94
21) trans-1,2-Dichloroethene	2.99	96	46580	20.653	ug/l	96
22) Diisopropyl ether	3.57	45	156864	20.812	ug/l	90
23) Vinyl Acetate	3.53	43	663963	98.340	ug/l	100
24) 1,1-Dichloroethane	3.45	63	89575	20.659	ug/l	99
25) 2-Butanone	4.26	43	224930	106.154	ug/l	96
26) 2,2-Dichloropropane	4.23	77	84203	20.452	ug/l	98
27) cis-1,2-Dichloroethene	4.23	96	53655	20.693	ug/l	98
28) Bromochloromethane	4.55	49	38839	20.336	ug/l	89
29) Tetrahydrofuran	4.64	42	132850	101.244	ug/l	96
30) Chloroform	4.68	83	96016	21.878	ug/l	99
31) Cyclohexane	5.00	56	82886	20.356	ug/l	91
32) 1,1,1-Trichloroethane	4.92	97	87202	21.487	ug/l	97
36) 1,1-Dichloropropene	5.14	75	67265	21.404	ug/l	99
37) Ethyl Acetate	4.38	43	76796	22.421	ug/l	96
38) Carbon Tetrachloride	5.14	117	75676	21.898	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	83833	21.377	ug/l	95
40) Benzene	5.39	78	196049	21.894	ug/l	99
41) Methacrylonitrile	4.54	41	42418	22.969	ug/l	98
42) 1,2-Dichloroethane	5.41	62	81255	23.825	ug/l	98
43) Isopropyl Acetate	5.55	43	123901	20.927	ug/l	99
44) Trichloroethene	6.19	130	53215	20.881	ug/l	98
45) 1,2-Dichloropropane	6.44	63	51095	21.385	ug/l	96
46) Dibromomethane	6.56	93	38032	22.661	ug/l	95
47) Bromodichloromethane	6.76	83	71090	21.272	ug/l	98
48) Methyl methacrylate	6.63	41	65060	22.567	ug/l	99
49) 1,4-Dioxane	6.62	88	29833	529.142	ug/l	98
51) 4-Methyl-2-Pentanone	7.46	43	402993	108.343	ug/l	98
52) Toluene	7.64	92	124374	21.589	ug/l	99
53) t-1,3-Dichloropropene	7.88	75	75375	20.084	ug/l	97
54) cis-1,3-Dichloropropene	7.27	75	81583	20.401	ug/l	97
55) 1,1,2-Trichloroethane	8.07	97	52980	22.624	ug/l	97
56) Ethyl methacrylate	8.02	69	80874	20.633	ug/l	99
57) 1,3-Dichloropropane	8.25	76	86968	22.015	ug/l	97
58) 2-Chloroethyl Vinyl ether	7.13	63	135603	90.305	ug/l	95
59) 2-Hexanone	8.36	43	325851	107.304	ug/l	100
60) Dibromochloromethane	8.48	129	57566	19.713	ug/l	100
61) 1,2-Dibromoethane	8.59	107	56933	21.843	ug/l	98
64) Tetrachloroethene	8.23	164	52781	21.853	ug/l	97
65) Chlorobenzene	9.12	112	142609	21.970	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.21	131	53742	21.792	ug/l	98
67) Ethyl Benzene	9.25	91	249190	21.898	ug/l	98
68) m/p-Xylenes	9.38	106	192708	44.101	ug/l	96
69) o-Xylene	9.78	106	97409	22.525	ug/l	93
70) Styrene	9.80	104	149005	20.967	ug/l	99
71) Bromoform	9.96	173	44430	18.955	ug/l #	99
73) Isopropylbenzene	10.17	105	254924	22.654	ug/l	99
74) N-amyl acetate	10.01	43	105669	19.742	ug/l	98
75) 1,1,2,2-Tetrachloroethane	10.46	83	84869	22.506	ug/l	99
76) 1,2,3-Trichloropropane	10.50	75	99373	30.795	ug/l	84
77) Bromobenzene	10.46	156	64190	22.532	ug/l	94
78) n-propylbenzene	10.59	91	285245	21.518	ug/l	97
79) 2-Chlorotoluene	10.66	91	175230	22.416	ug/l	100
80) 1,3,5-Trimethylbenzene	10.78	105	218830	22.436	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.50	75	99373	71.272	ug/l #	100
82) 4-Chlorotoluene	10.78	91	198824	21.852	ug/l	99
83) tert-Butylbenzene	11.10	119	217623	23.195	ug/l	99
84) 1,2,4-Trimethylbenzene	11.15	105	218273	21.960	ug/l	98
85) sec-Butylbenzene	11.33	105	258573	22.017	ug/l	97
86) p-Isopropyltoluene	11.48	119	228684	21.742	ug/l	99
87) 1,3-Dichlorobenzene	11.42	146	113442	21.553	ug/l	99
88) 1,4-Dichlorobenzene	11.51	146	116050	21.906	ug/l	99
89) n-Butylbenzene	11.89	91	176878	18.941	ug/l	97
90) Hexachloroethane	12.15	117	39542	19.271	ug/l	98
91) 1,2-Dichlorobenzene	11.88	146	119998	22.762	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	21402	20.569	ug/l	94

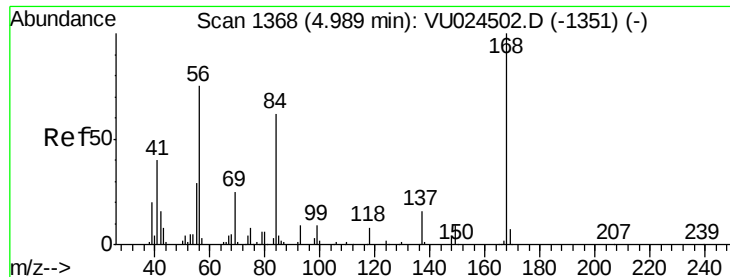
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.51	180	71781	22.049	ug/l	98
94) Hexachlorobutadiene	13.69	225	41228	22.500	ug/l	98
95) Naphthalene	13.74	128	242813	22.903	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	78320	24.144	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. -0.00 min

Lab File: VU025083.D

Acq: 30 Jun 2018 13:08

Instrument :

MSVOA_U

ClientSampleId :

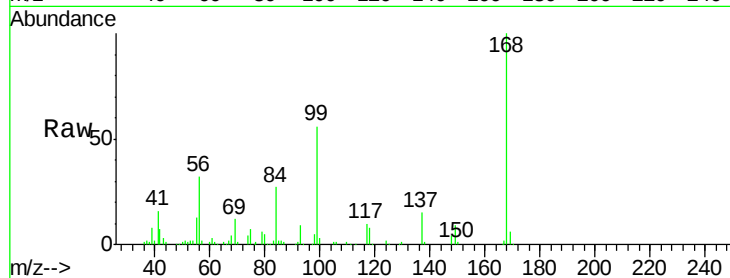
VU0630MBS01

Tgt Ion:168 Resp: 179841

Ion Ratio Lower Upper

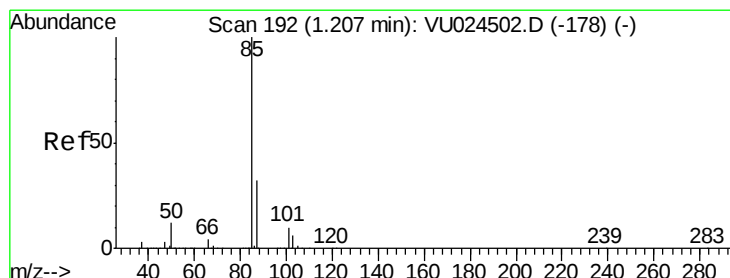
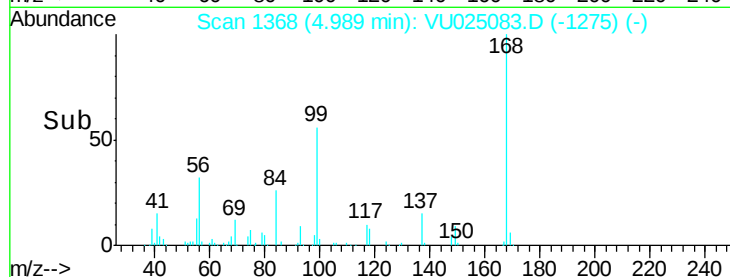
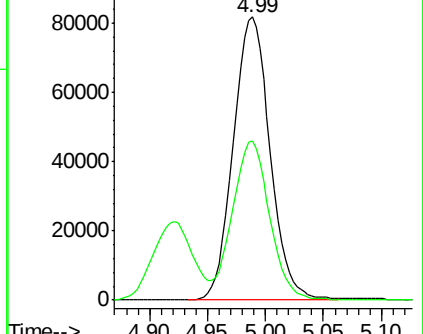
168 100

99 56.0 43.2 64.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VU0



#2

Dichlorodifluoromethane

Concen: 16.974 ug/l

RT: 1.20 min Scan# 191

Delta R.T. -0.00 min

Lab File: VU025083.D

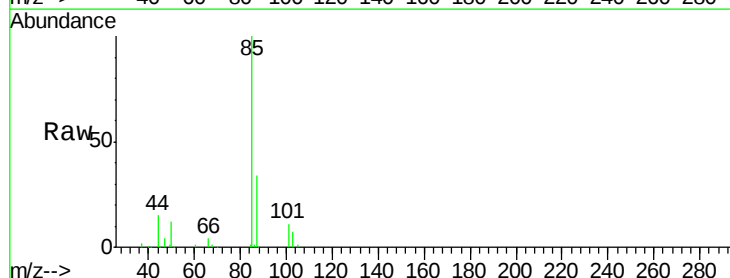
Acq: 30 Jun 2018 13:08

Tgt Ion: 85 Resp: 38209

Ion Ratio Lower Upper

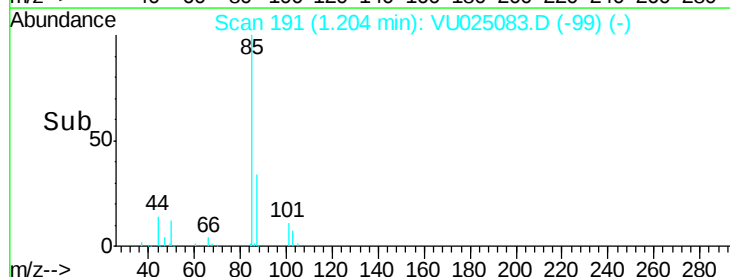
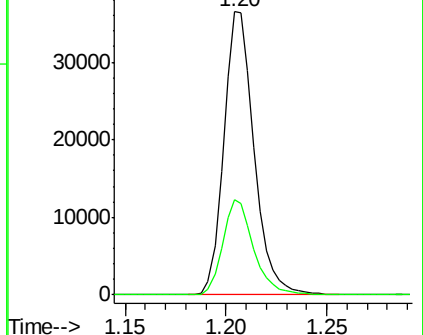
85 100

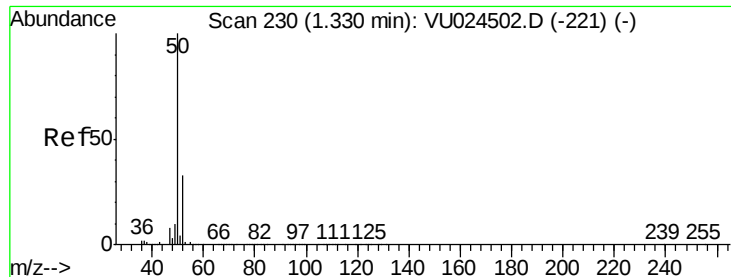
87 33.5 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VU0

Ion 86.90 (86.60 to 87.60): VU0





#3

Chloromethane

Concen: 18.181 ug/l

RT: 1.33 min Scan# 229

Delta R.T. -0.00 min

Lab File: VU025083.D

Acq: 30 Jun 2018 13:08

Instrument :

MSVOA_U

ClientSampleId :

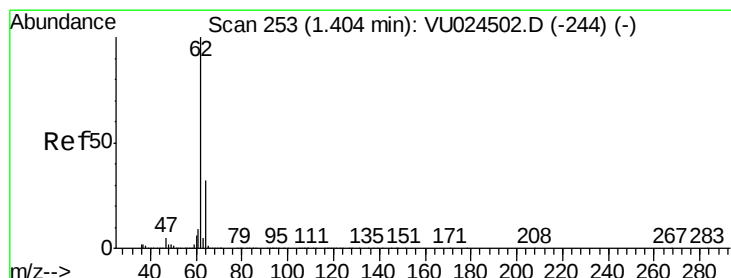
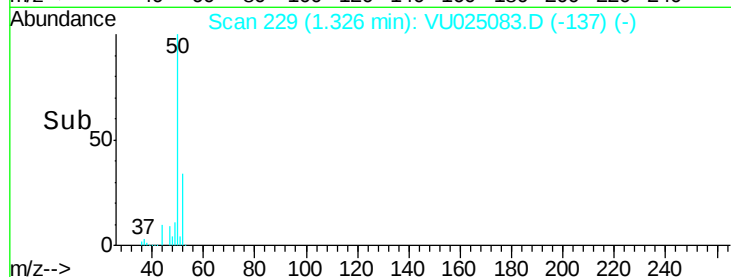
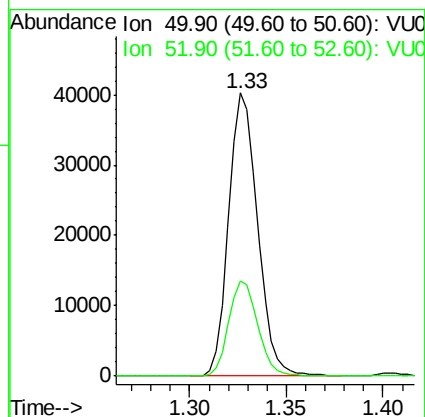
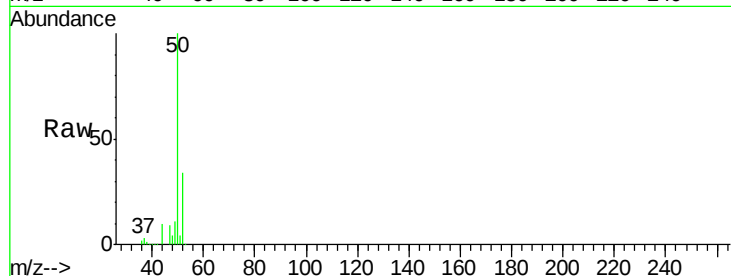
VU0630MBS01

Tgt Ion: 50 Resp: 41813

Ion Ratio Lower Upper

50 100

52 33.6 26.4 39.6



#4

Vinyl Chloride

Concen: 18.777 ug/l

RT: 1.40 min Scan# 253

Delta R.T. -0.00 min

Lab File: VU025083.D

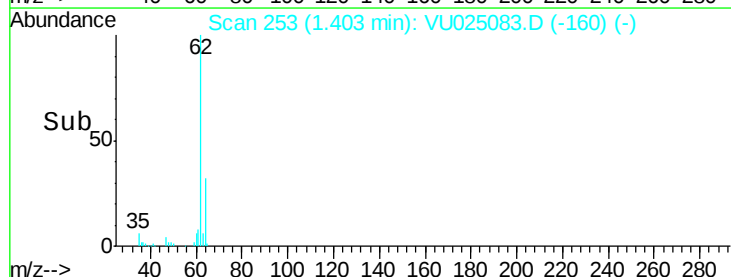
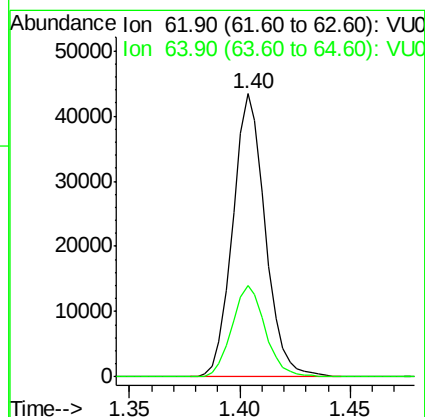
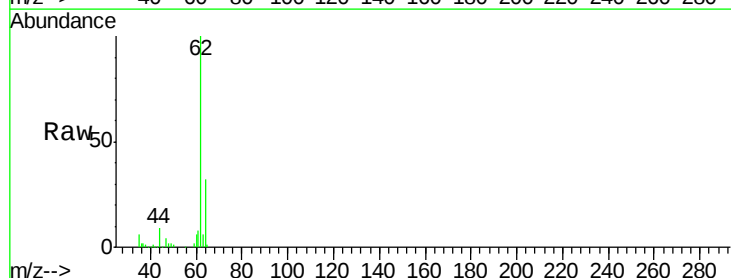
Acq: 30 Jun 2018 13:08

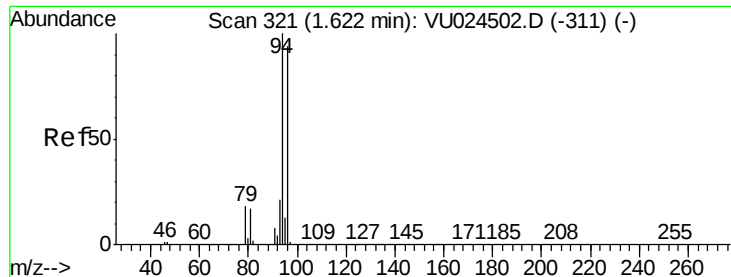
Tgt Ion: 62 Resp: 44533

Ion Ratio Lower Upper

62 100

64 32.3 24.8 37.2





#5

Bromomethane

Concen: 26.750 ug/l

RT: 1.62 min Scan# 321

Delta R.T. -0.00 min

Lab File: VU025083.D

Acq: 30 Jun 2018 13:08

Instrument :

MSVOA_U

ClientSampleId :

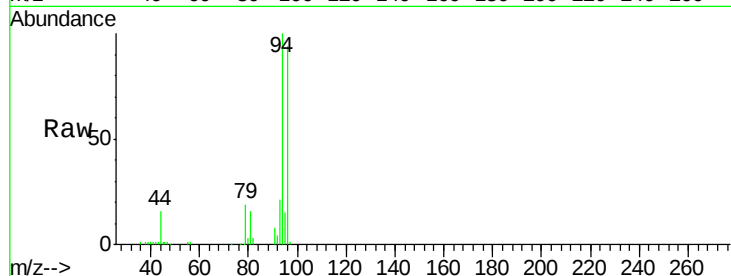
VU0630MBS01

Tgt Ion: 94 Resp: 30670

Ion Ratio Lower Upper

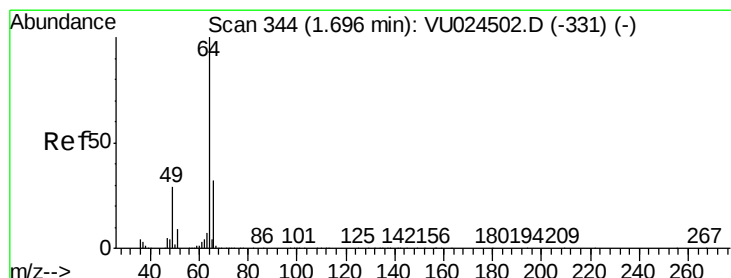
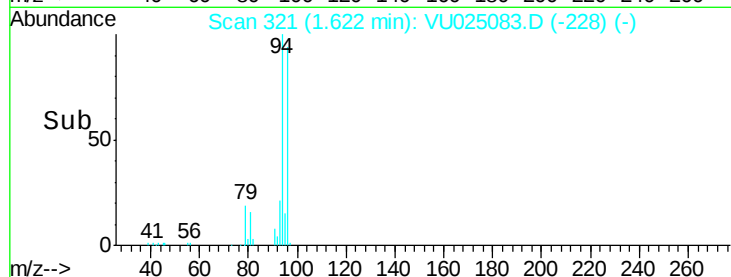
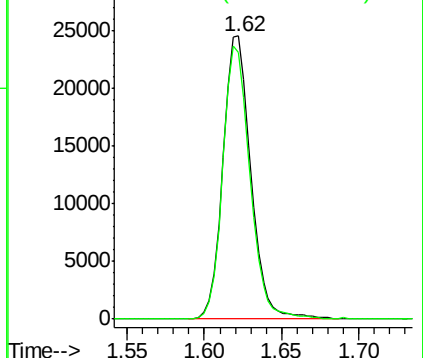
94 100

96 94.4 74.5 111.7



Abundance Ion 93.90 (93.60 to 94.60): VU0

Ion 95.90 (95.60 to 96.60): VU0



#6

Chloroethane

Concen: 21.859 ug/l

RT: 1.70 min Scan# 344

Delta R.T. 0.00 min

Lab File: VU025083.D

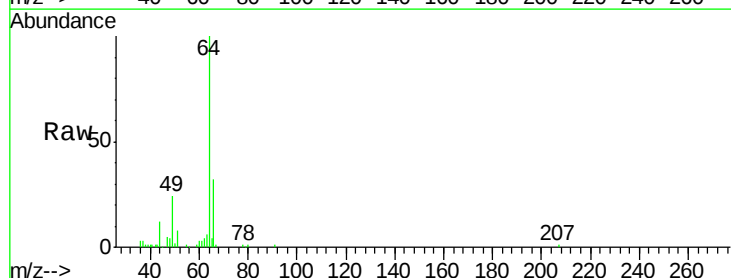
Acq: 30 Jun 2018 13:08

Tgt Ion: 64 Resp: 29756

Ion Ratio Lower Upper

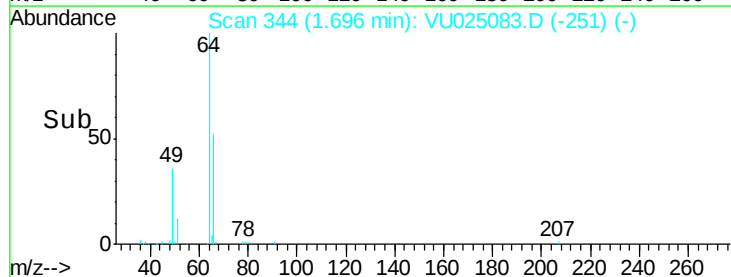
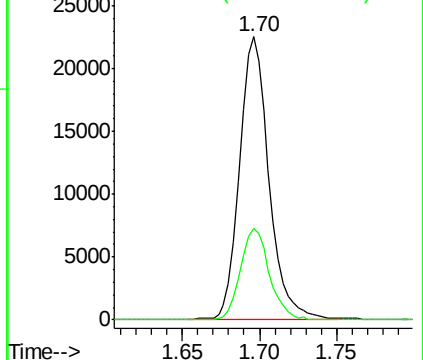
64 100

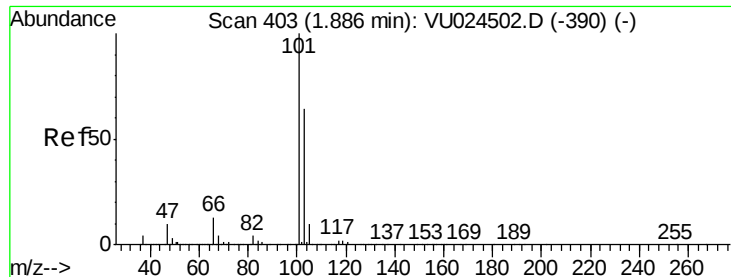
66 32.2 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0



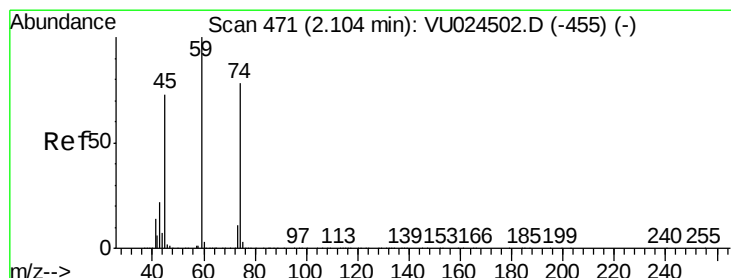
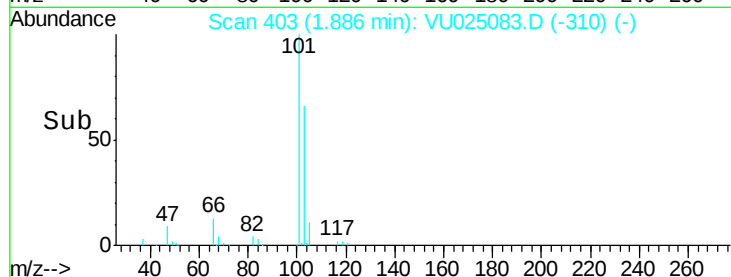
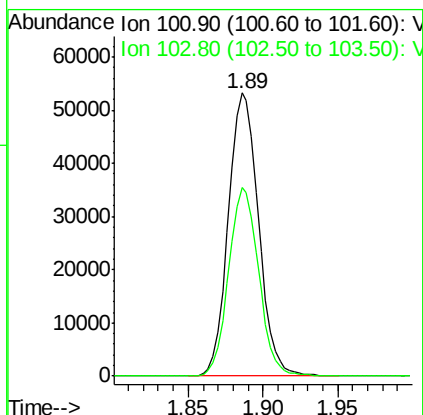
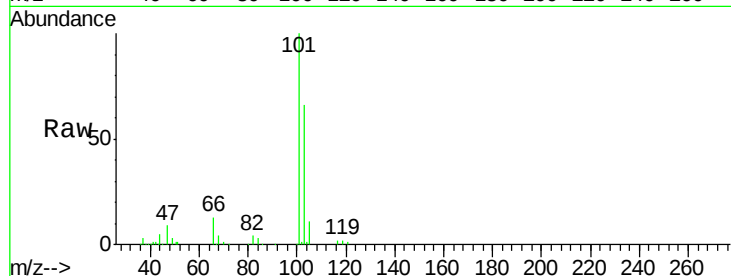


#7

Trichlorofluoromethane
Concen: 20.698 ug/l
RT: 1.89 min Scan# 403
Delta R.T. -0.00 min
Lab File: VU025083.D
Acq: 30 Jun 2018 13:08

Instrument :
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ClientSampleId :
VU0630MBS01

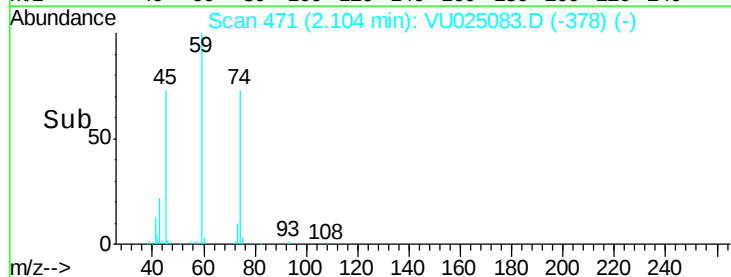
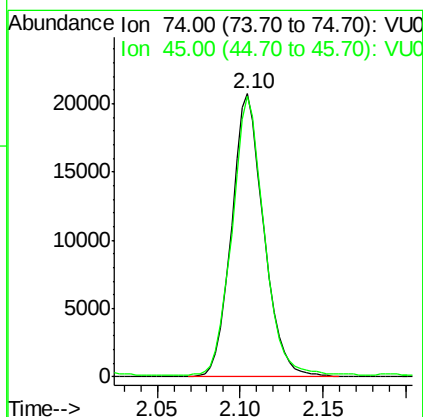
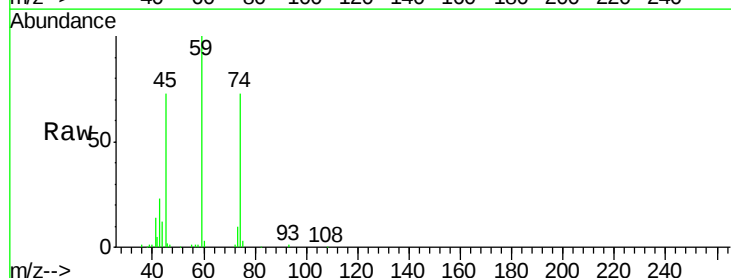
Tgt Ion:101 Resp: 74916
Ion Ratio Lower Upper
101 100
103 66.5 52.3 78.5

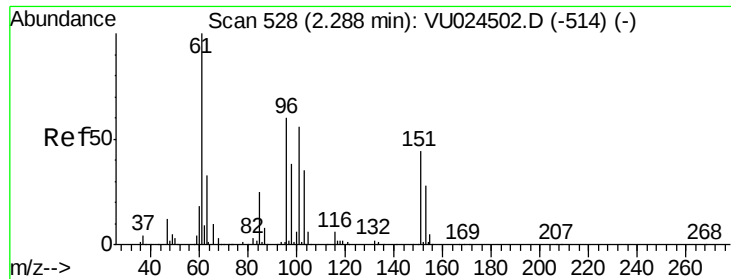


#8

Diethyl Ether
Concen: 21.616 ug/l
RT: 2.10 min Scan# 471
Delta R.T. 0.00 min
Lab File: VU025083.D
Acq: 30 Jun 2018 13:08

Tgt Ion: 74 Resp: 27942
Ion Ratio Lower Upper
74 100
45 98.7 55.0 165.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.798 ug/l

RT: 2.29 min Scan# 529

Delta R.T. 0.00 min

Lab File: VU025083.D

Acq: 30 Jun 2018 13:08

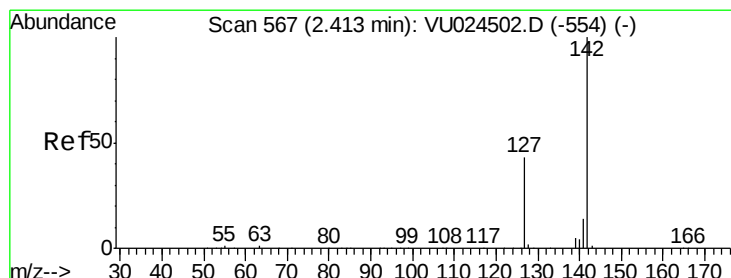
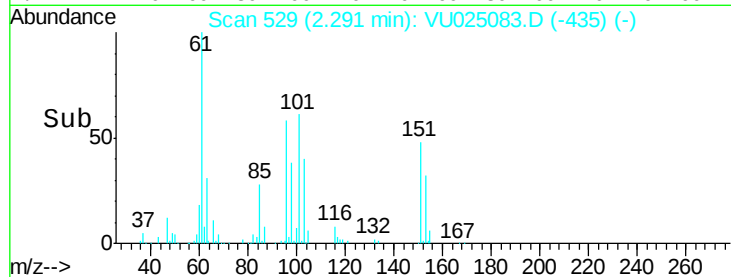
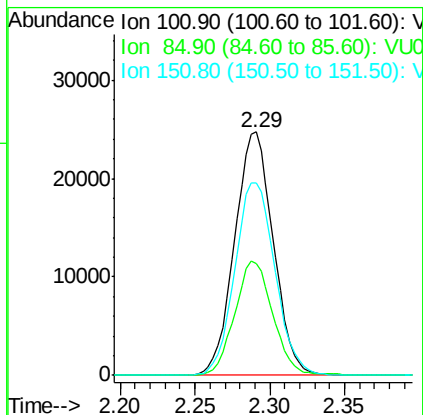
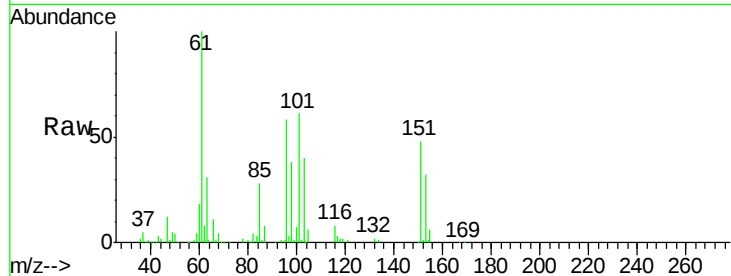
Instrument :

MSVOA_U

ClientSampleId :

VU0630MBS01

Tgt Ion:	101	Resp:	44455
Ion Ratio	Lower	Upper	
101	100		
85	46.2	36.0	54.0
151	82.3	62.3	93.5



#10

Methyl Iodide

Concen: 27.315 ug/l

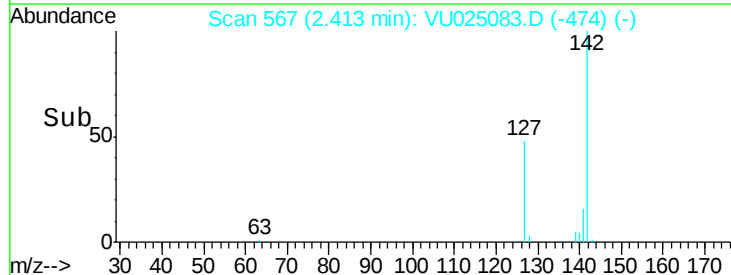
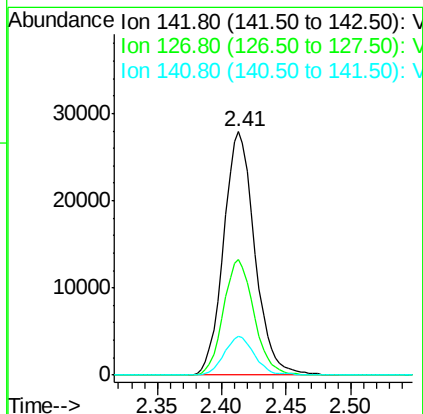
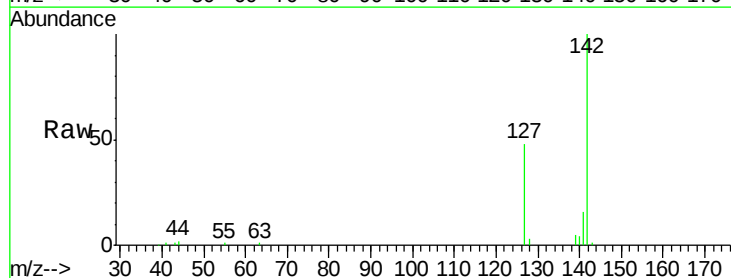
RT: 2.41 min Scan# 567

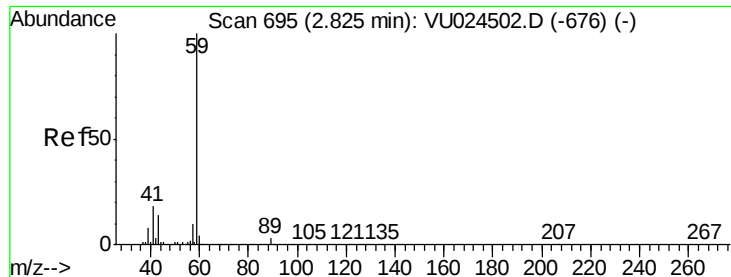
Delta R.T. 0.00 min

Lab File: VU025083.D

Acq: 30 Jun 2018 13:08

Tgt Ion:	142	Resp:	46808
Ion Ratio	Lower	Upper	
142	100		
127	46.4	35.6	53.4
141	15.4	11.7	17.5



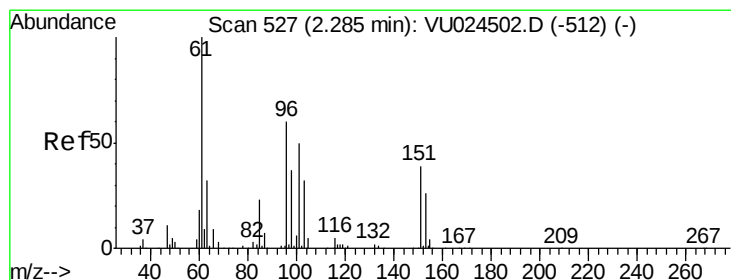
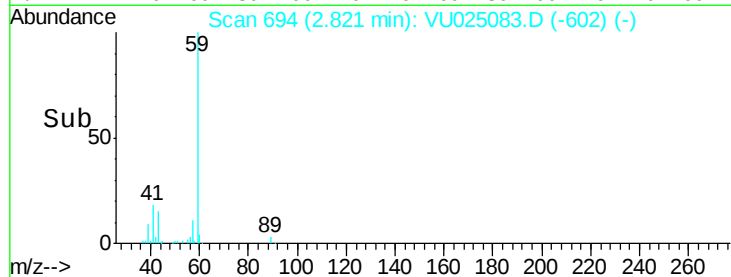
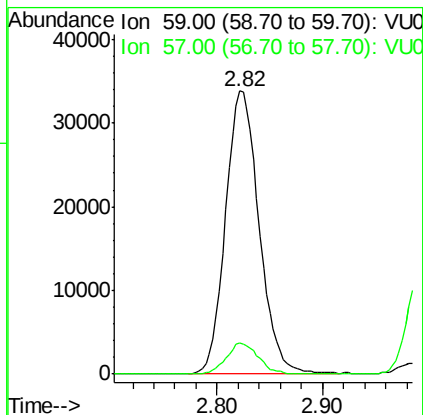
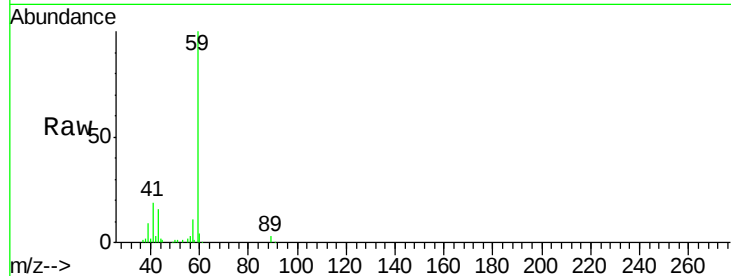


#11

Tert butyl alcohol
 Concen: 104.584 ug/l
 RT: 2.82 min Scan# 694
 Delta R.T. -0.00 min
 Lab File: VU025083.D
 Acq: 30 Jun 2018 13:08

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0630MBS01

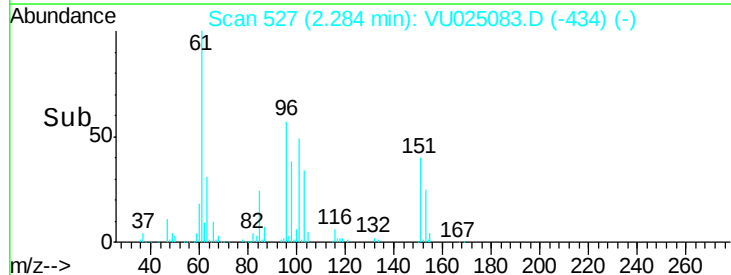
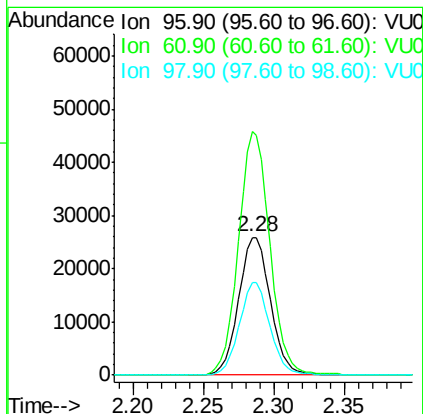
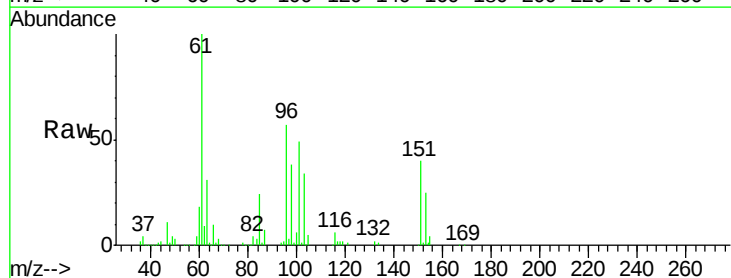
Tgt Ion: 59 Resp: 74678
 Ion Ratio Lower Upper
 59 100
 57 10.4 8.5 12.7

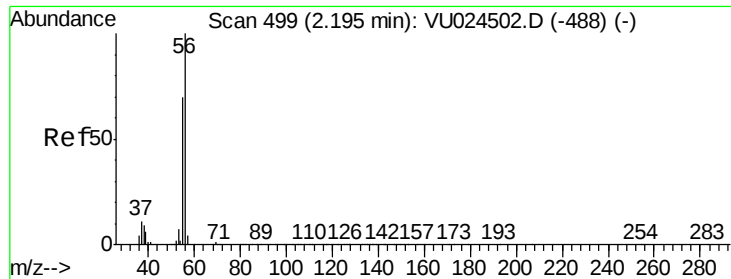


#12

1,1-Dichloroethene
 Concen: 20.002 ug/l
 RT: 2.28 min Scan# 527
 Delta R.T. -0.00 min
 Lab File: VU025083.D
 Acq: 30 Jun 2018 13:08

Tgt Ion: 96 Resp: 40959
 Ion Ratio Lower Upper
 96 100
 61 176.6 141.7 212.5
 98 67.2 51.6 77.4





#13

Acrolein

Concen: 67.300 ug/l

RT: 2.19 min Scan# 499

Delta R.T. -0.00 min

Lab File: VU025083.D

Acq: 30 Jun 2018 13:08

Instrument :

MSVOA_U

ClientSampleId :

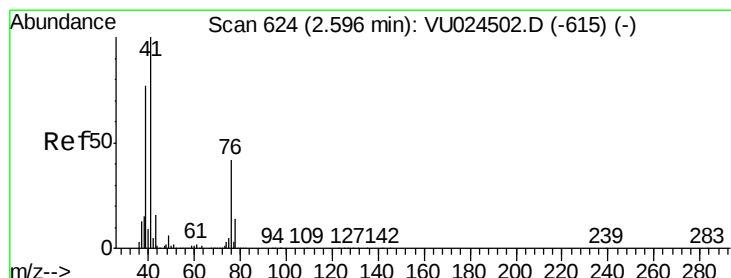
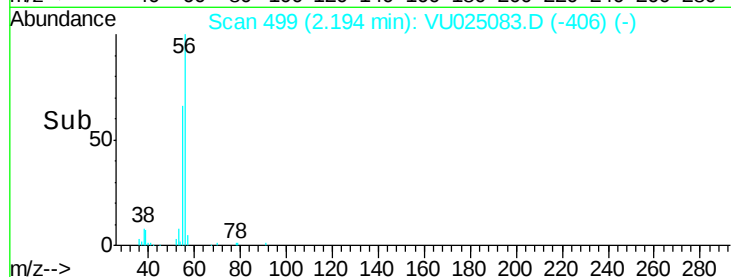
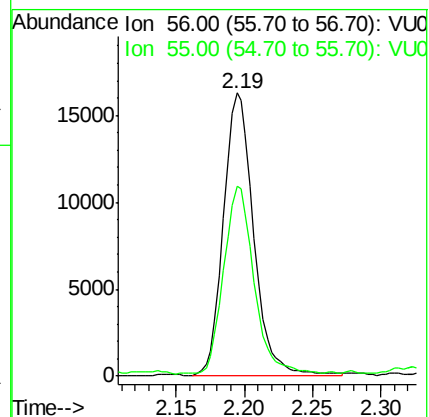
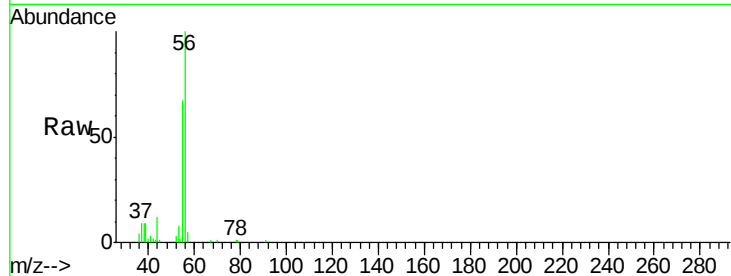
VU0630MBS01

Tgt Ion: 56 Resp: 25235

Ion Ratio Lower Upper

56 100

55 65.6 58.4 87.6



#14

Allyl chloride

Concen: 19.022 ug/l

RT: 2.60 min Scan# 624

Delta R.T. -0.00 min

Lab File: VU025083.D

Acq: 30 Jun 2018 13:08

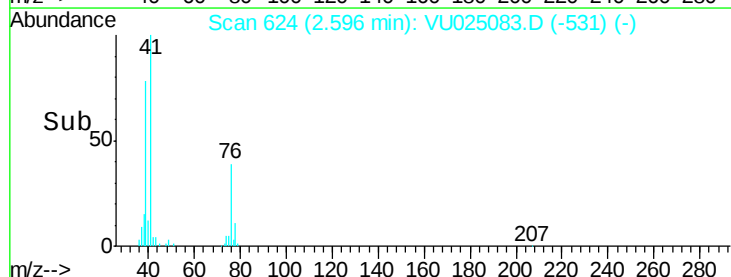
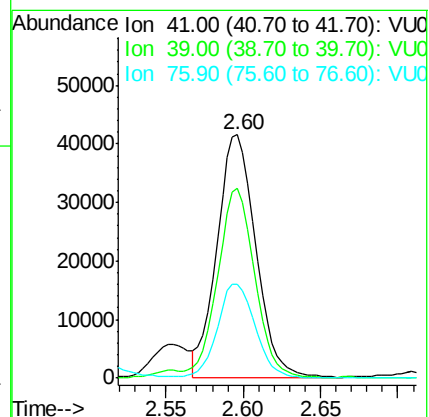
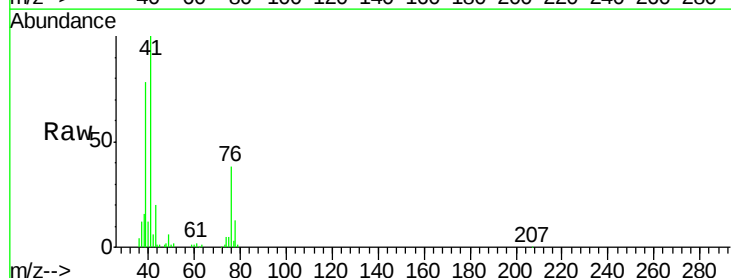
Tgt Ion: 41 Resp: 72325

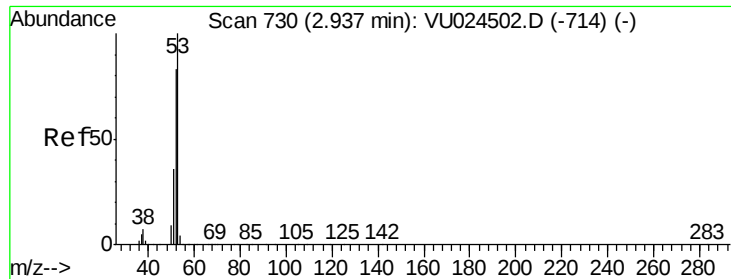
Ion Ratio Lower Upper

41 100

39 74.3 61.6 92.4

76 38.2 29.7 44.5





#15

Acrylonitrile

Concen: 104.218 ug/l

RT: 2.94 min Scan# 730

Delta R.T. -0.00 min

Lab File: VU025083.D

Acq: 30 Jun 2018 13:08

Instrument :

MSVOA_U

ClientSampleId :

VU0630MBS01

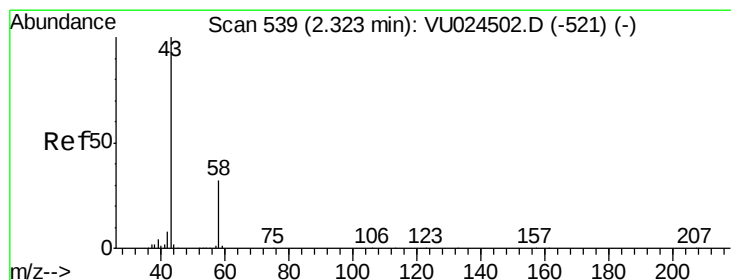
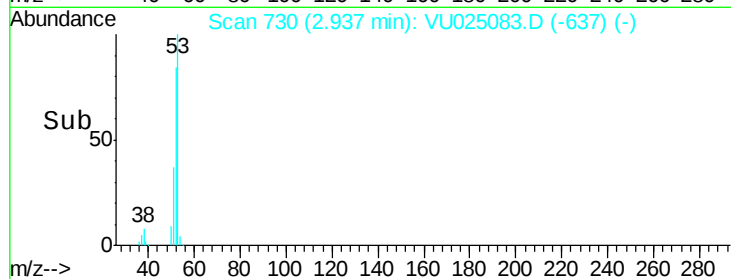
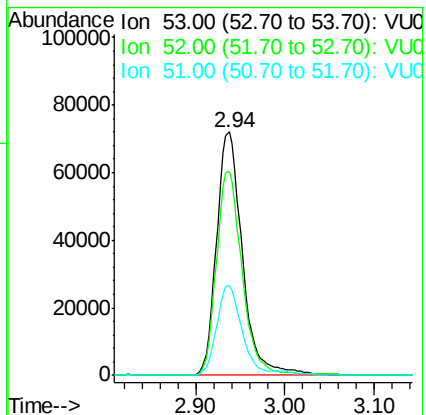
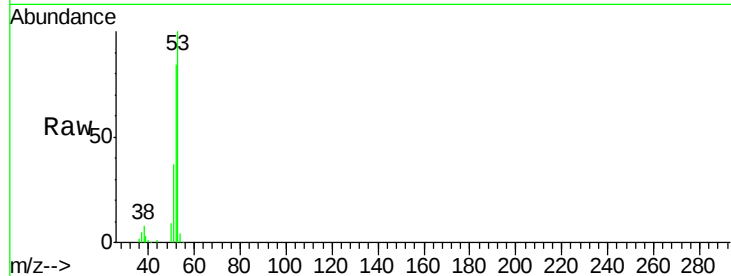
Tgt Ion: 53 Resp: 144786

Ion Ratio Lower Upper

53 100

52 83.0 67.1 100.7

51 37.2 28.4 42.6



#16

Acetone

Concen: 108.958 ug/l

RT: 2.32 min Scan# 538

Delta R.T. -0.00 min

Lab File: VU025083.D

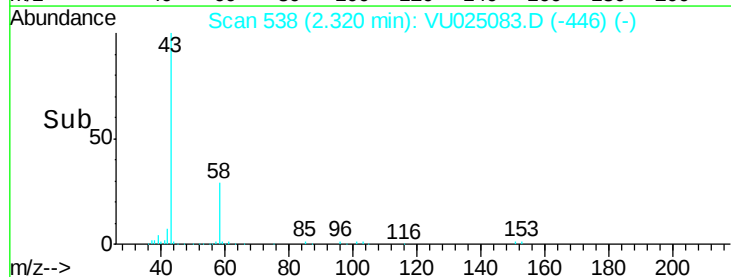
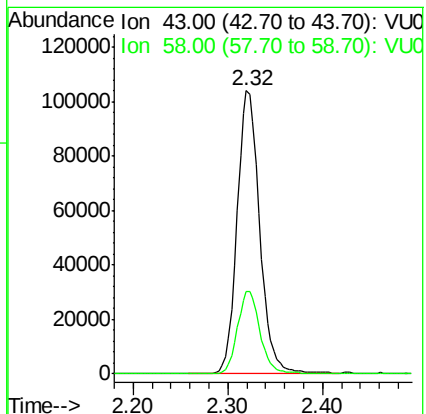
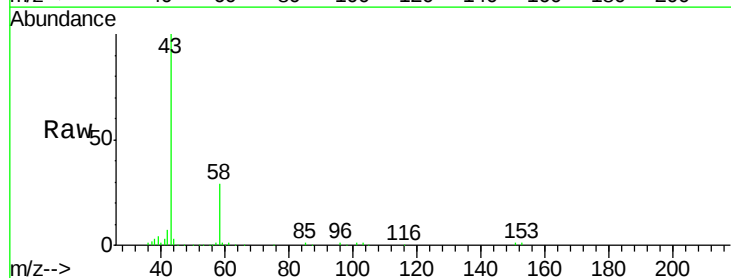
Acq: 30 Jun 2018 13:08

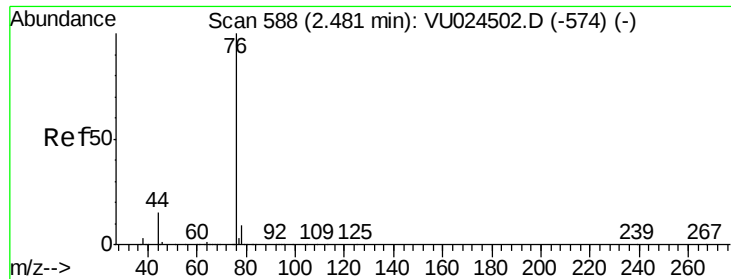
Tgt Ion: 43 Resp: 171879

Ion Ratio Lower Upper

43 100

58 29.0 24.4 36.6

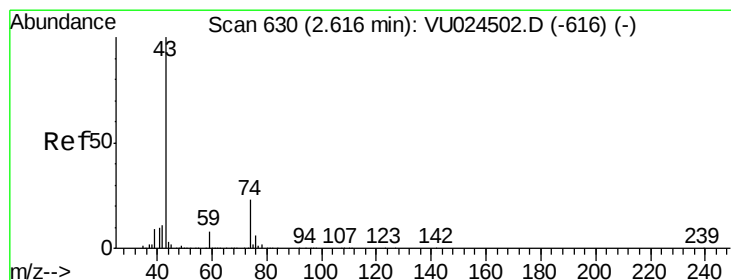
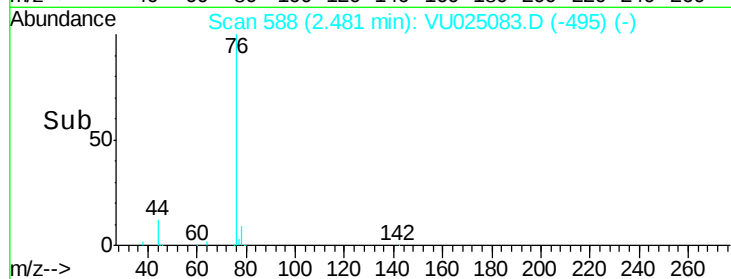
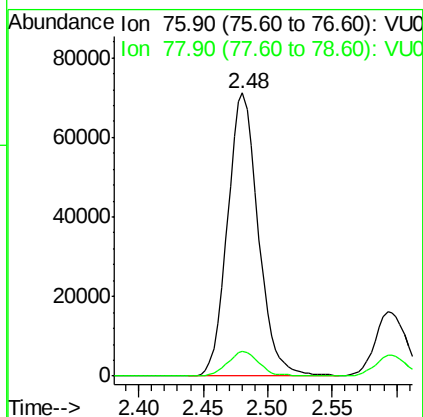
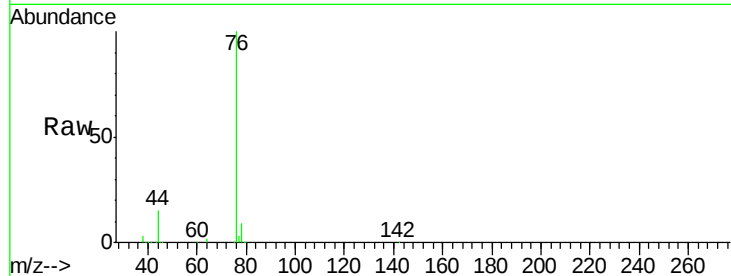




#17
Carbon Disulfide
Concen: 17.964 ug/l
RT: 2.48 min Scan# 588
Delta R.T. -0.00 min
Lab File: VU025083.D
Acq: 30 Jun 2018 13:08

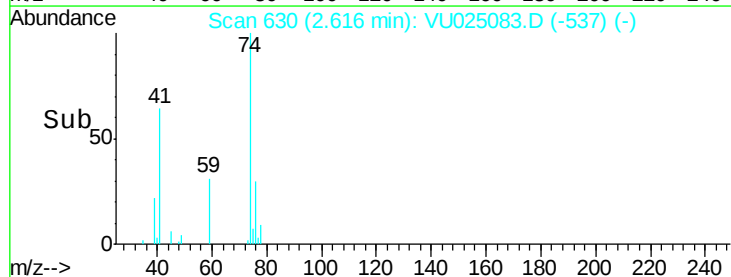
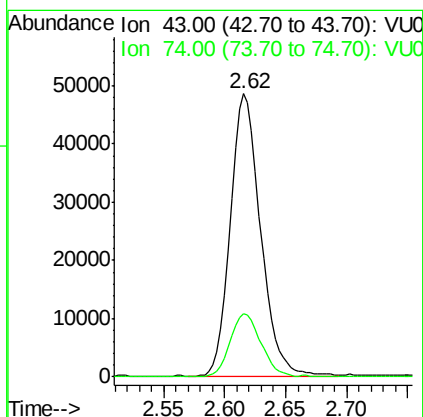
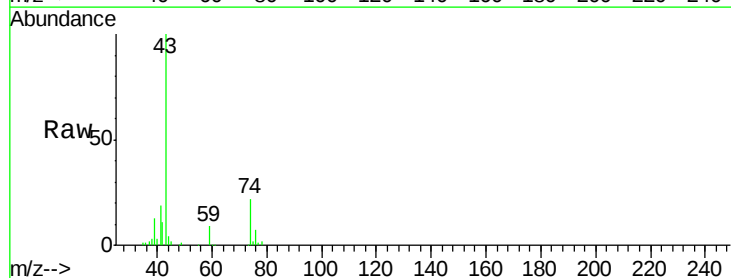
Instrument :
MSVOA_U
ClientSampleId :
VU0630MBS01

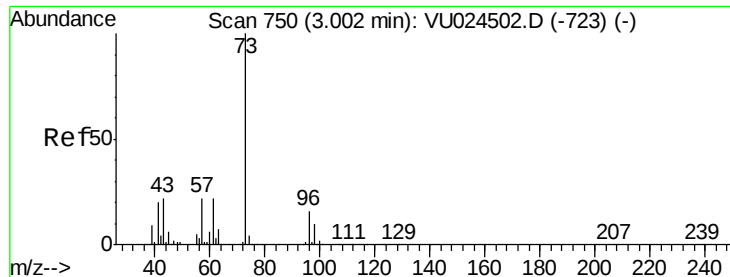
Tgt Ion: 76 Resp: 117793
Ion Ratio Lower Upper
76 100
78 9.0 7.1 10.7



#18
Methyl Acetate
Concen: 24.827 ug/l
RT: 2.62 min Scan# 630
Delta R.T. -0.00 min
Lab File: VU025083.D
Acq: 30 Jun 2018 13:08

Tgt Ion: 43 Resp: 83959
Ion Ratio Lower Upper
43 100
74 22.8 18.0 27.0





#19

Methyl tert-butyl Ether

Concen: 21.392 ug/l

RT: 3.00 min Scan# 749

Delta R.T. -0.00 min

Lab File: VU025083.D

Acq: 30 Jun 2018 13:08

Instrument :

MSVOA_U

ClientSampleId :

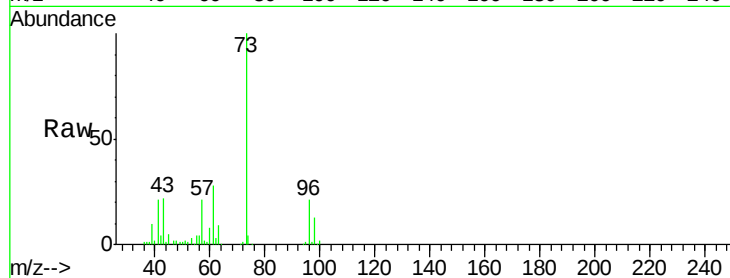
VU0630MBS01

Tgt Ion: 73 Resp: 164662

Ion Ratio Lower Upper

73 100

57 21.4 18.8 28.2



Abundance Ion 73.00 (72.70 to 73.70): VU024502.D (-723) (-)

Ion 57.00 (56.70 to 57.70): VU024502.D (-723) (-)

3.00

80000

60000

40000

20000

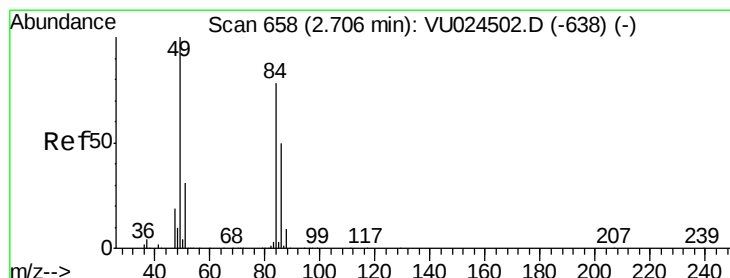
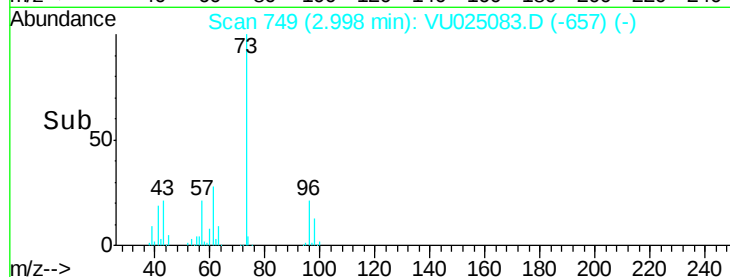
0

Time-->

2.90

3.00

3.10



#20

Methylene Chloride

Concen: 20.588 ug/l

RT: 2.70 min Scan# 657

Delta R.T. -0.00 min

Lab File: VU025083.D

Acq: 30 Jun 2018 13:08

Tgt Ion: 84 Resp: 50958

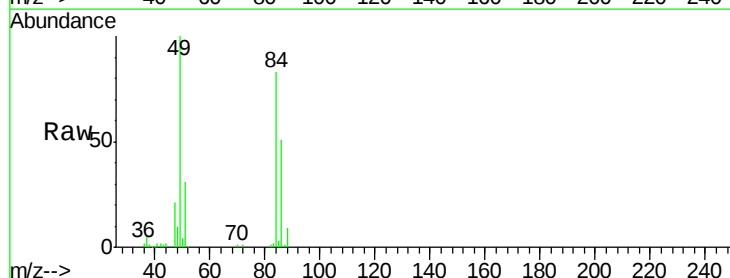
Ion Ratio Lower Upper

84 100

49 120.8 103.8 155.8

51 37.2 32.0 48.0

86 62.1 51.6 77.4



Abundance Ion 83.90 (83.60 to 84.60): VU024502.D (-638) (-)

Ion 48.90 (48.60 to 49.60): VU024502.D (-638) (-)

Ion 50.90 (50.60 to 51.60): VU024502.D (-638) (-)

Ion 85.90 (85.60 to 86.60): VU024502.D (-638) (-)

2.70

50000

40000

30000

20000

10000

0

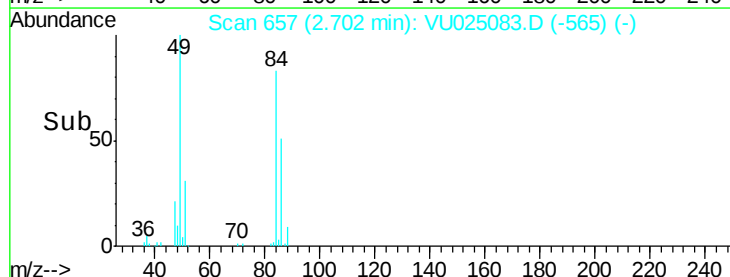
Time-->

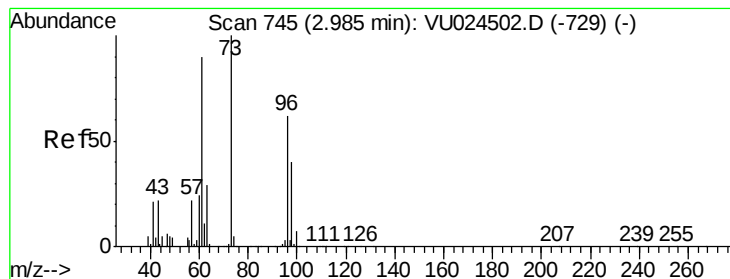
2.65

2.70

2.75

2.80





#21

trans-1,2-Dichloroethene

Concen: 20.653 ug/l

RT: 2.99 min Scan# 745

Delta R.T. -0.00 min

Lab File: VU025083.D

Acq: 30 Jun 2018 13:08

Instrument :

MSVOA_U

ClientSampleId :

VU0630MBS01

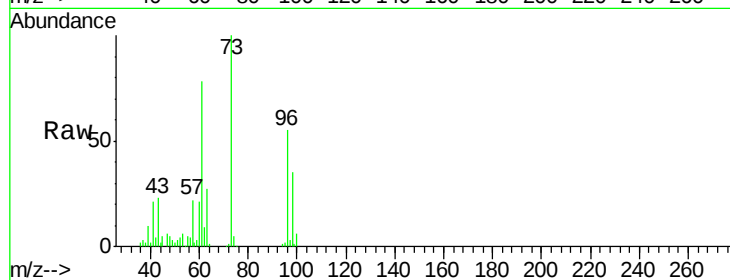
Tgt Ion: 96 Resp: 46580

Ion Ratio Lower Upper

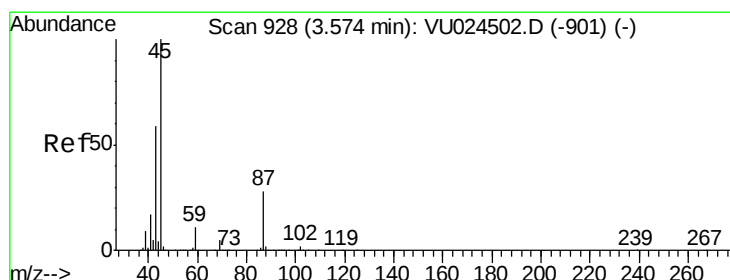
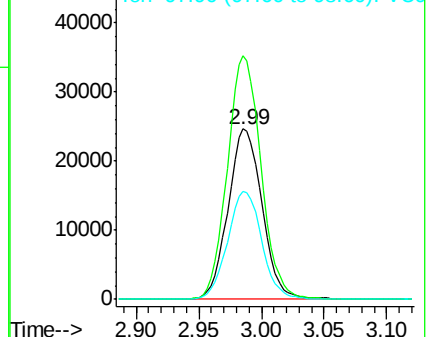
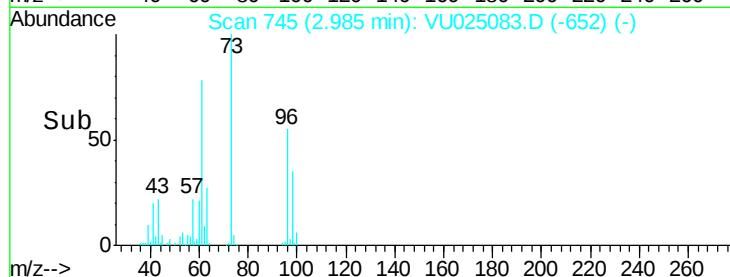
96 100

61 142.7 119.4 179.0

98 63.6 51.1 76.7



Abundance Ion 95.90 (95.60 to 96.60): VU025083.D (-652) (-)



#22

Diisopropyl ether

Concen: 20.812 ug/l

RT: 3.57 min Scan# 927

Delta R.T. -0.00 min

Lab File: VU025083.D

Acq: 30 Jun 2018 13:08

Tgt Ion: 45 Resp: 156864

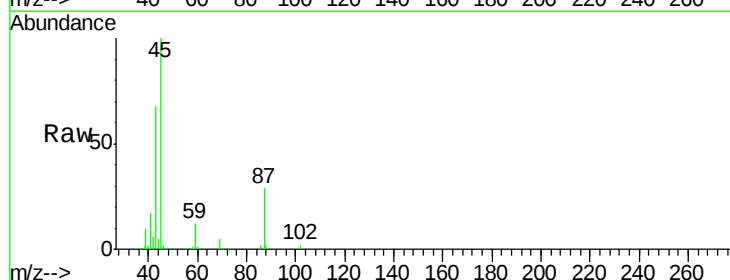
Ion Ratio Lower Upper

45 100

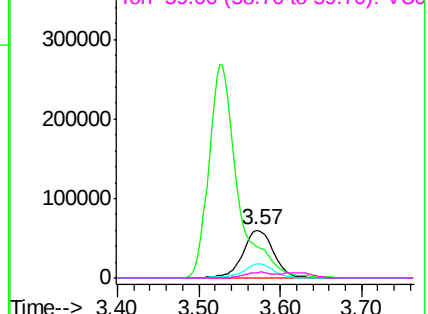
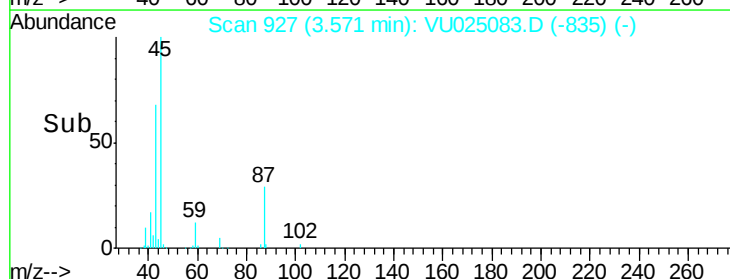
43 67.1 45.8 68.6

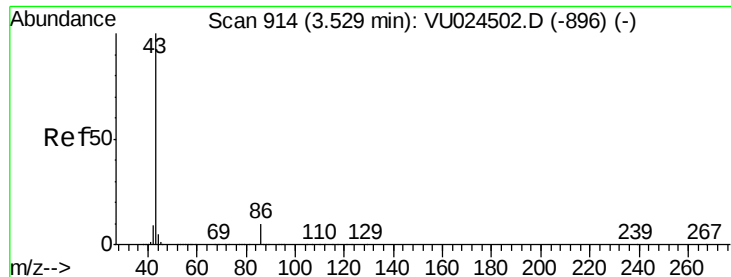
87 29.4 20.6 31.0

59 11.7 9.4 14.0



Abundance Ion 45.00 (44.70 to 45.70): VU025083.D (-835) (-)





#23

Vinyl Acetate

Concen: 98.340 ug/l

RT: 3.53 min Scan# 913

Delta R.T. -0.00 min

Lab File: VU025083.D

Acq: 30 Jun 2018 13:08

Instrument :

MSVOA_U

ClientSampleId :

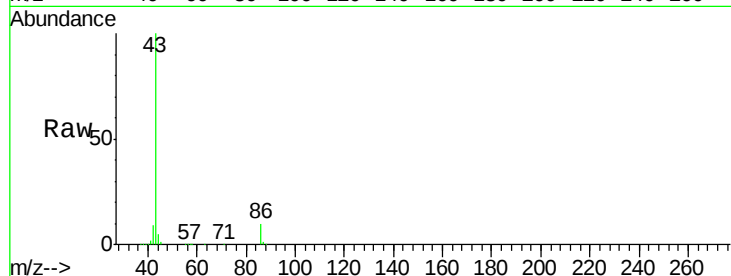
VU0630MBS01

Tgt Ion: 43 Resp: 663963

Ion Ratio Lower Upper

43 100

86 9.8 7.8 11.8



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 86.00 (85.70 to 86.70): VU0

3.53

250000

200000

150000

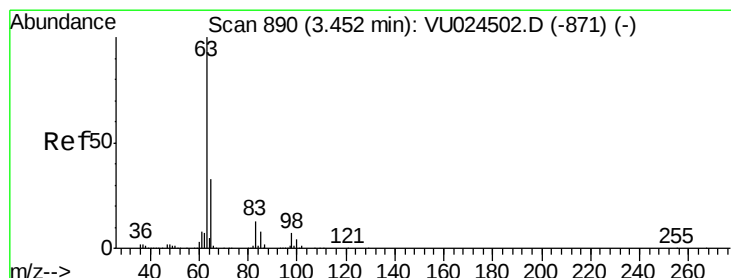
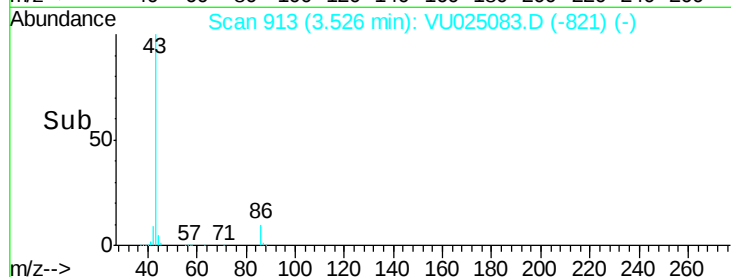
100000

50000

0

Time-->

3.40 3.50 3.60 3.70



#24

1,1-Dichloroethane

Concen: 20.659 ug/l

RT: 3.45 min Scan# 890

Delta R.T. -0.00 min

Lab File: VU025083.D

Acq: 30 Jun 2018 13:08

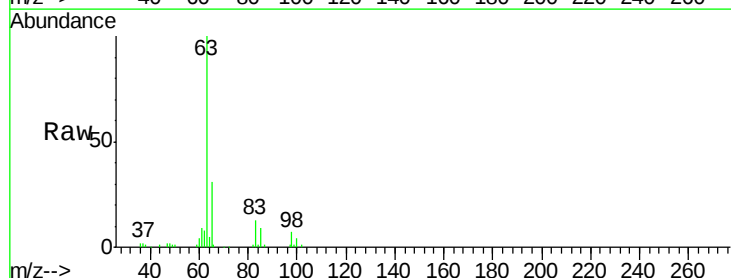
Tgt Ion: 63 Resp: 89575

Ion Ratio Lower Upper

63 100

98 6.6 3.5 10.4

100 3.9 1.8 5.5



Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 97.90 (97.60 to 98.60): VU0

Ion 99.90 (99.60 to 100.60): VU0

50000

40000

30000

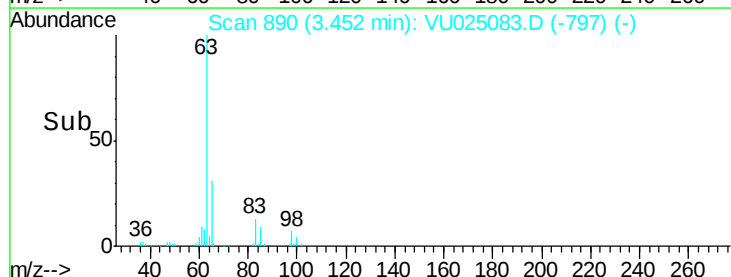
20000

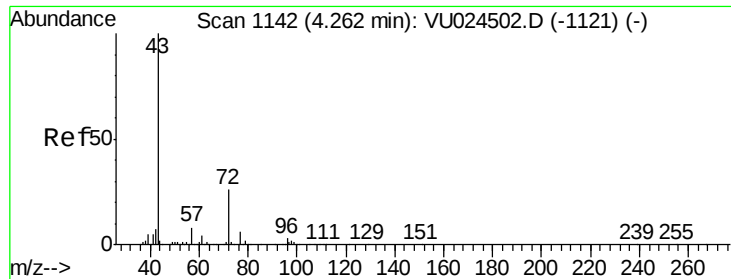
10000

0

Time-->

3.40 3.50

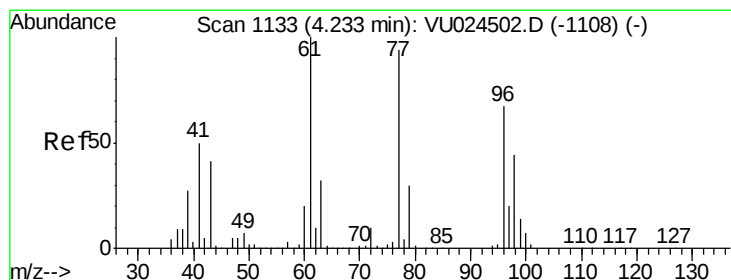
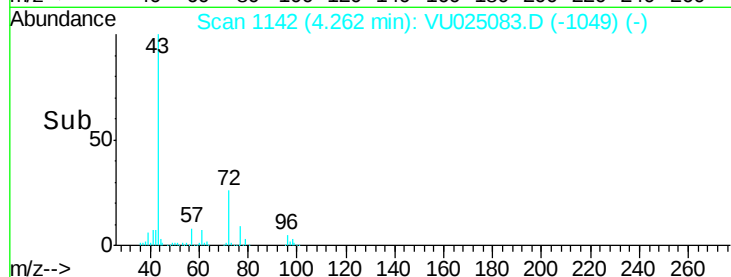
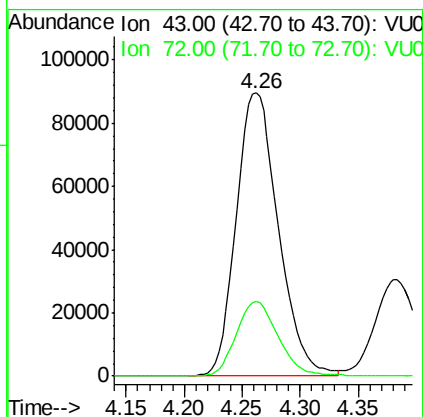
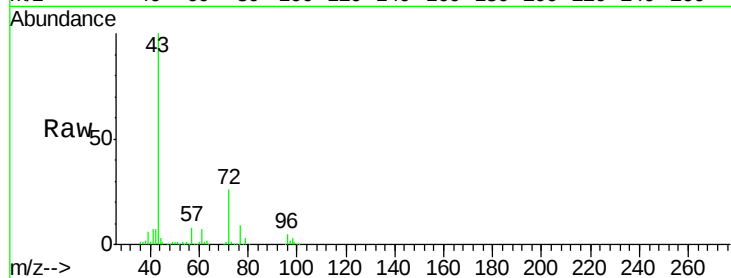




#25
2-Butanone
Concen: 106.154 ug/l
RT: 4.26 min Scan# 1142
Delta R.T. -0.00 min
Lab File: VU025083.D
Acq: 30 Jun 2018 13:08

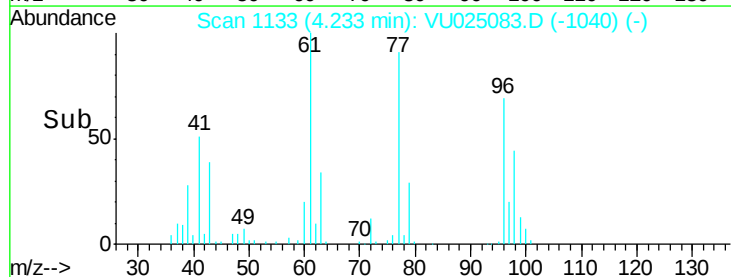
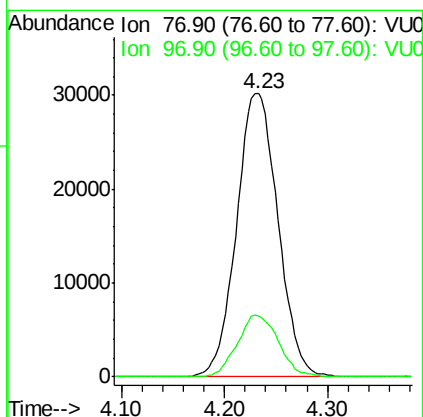
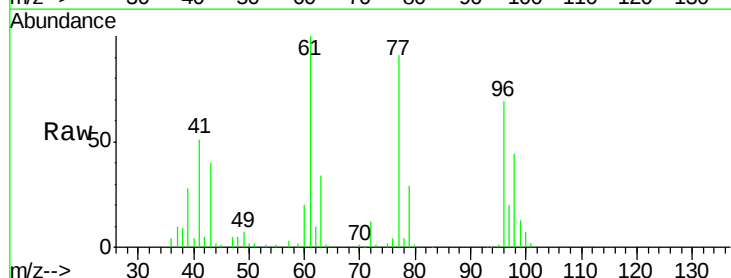
Instrument :
MSVOA_U
ClientSampleId :
VU0630MBS01

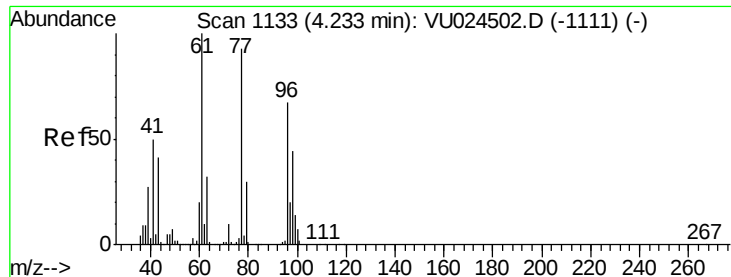
Tgt Ion: 43 Resp: 224930
Ion Ratio Lower Upper
43 100
72 26.4 19.6 29.4



#26
2,2-Dichloropropane
Concen: 20.452 ug/l
RT: 4.23 min Scan# 1133
Delta R.T. -0.00 min
Lab File: VU025083.D
Acq: 30 Jun 2018 13:08

Tgt Ion: 77 Resp: 84203
Ion Ratio Lower Upper
77 100
97 21.6 11.3 33.8

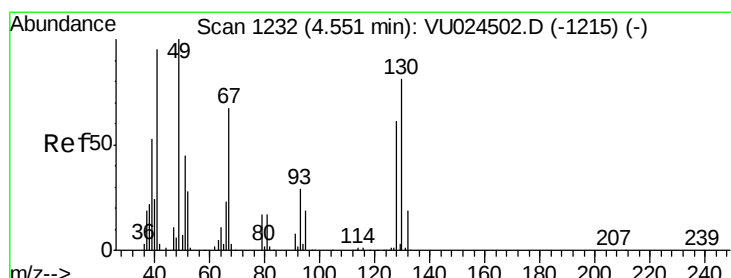
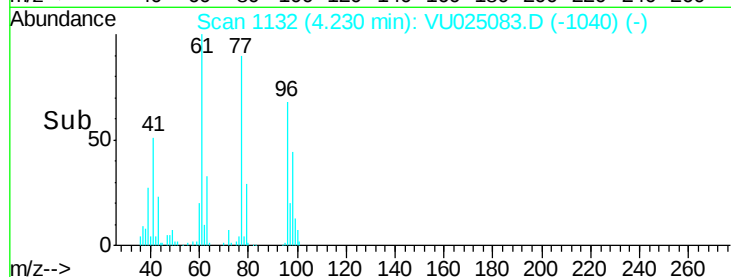
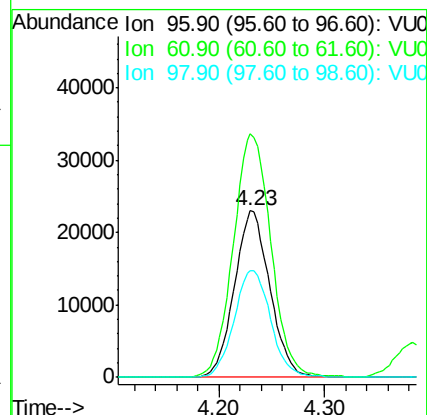
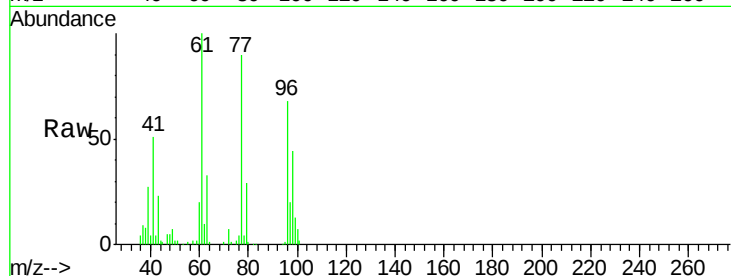




#27
 cis-1,2-Dichloroethene
 Concen: 20.693 ug/l
 RT: 4.23 min Scan# 1132
 Delta R.T. -0.00 min
 Lab File: VU025083.D
 Acq: 30 Jun 2018 13:08

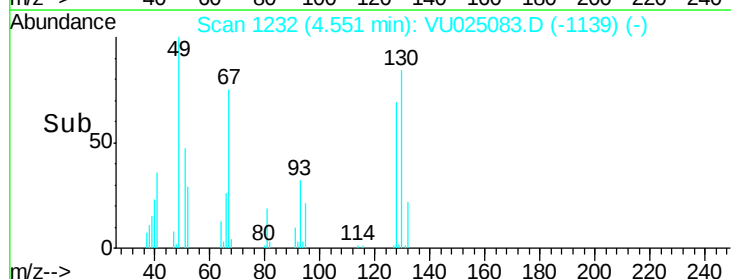
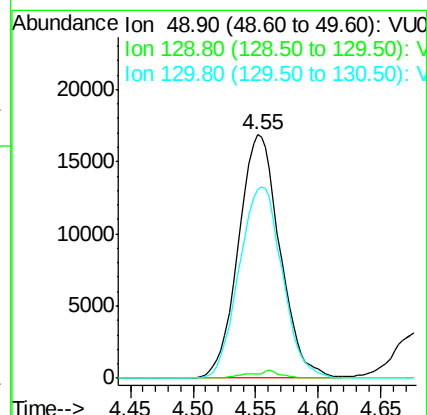
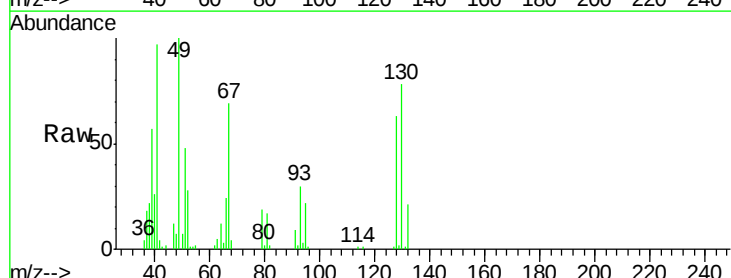
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0630MBS01

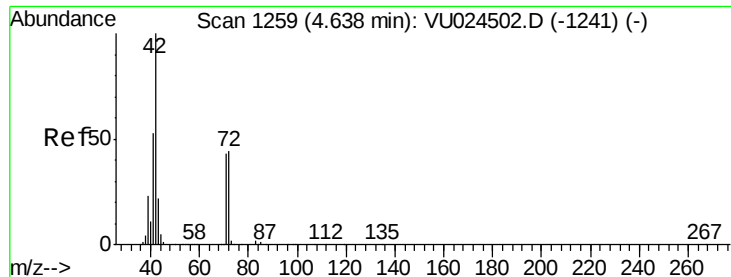
Tgt Ion: 96 Resp: 53655
 Ion Ratio Lower Upper
 96 100
 61 155.5 0.0 306.6
 98 66.2 0.0 128.8



#28
 Bromochloromethane
 Concen: 20.336 ug/l
 RT: 4.55 min Scan# 1232
 Delta R.T. -0.00 min
 Lab File: VU025083.D
 Acq: 30 Jun 2018 13:08

Tgt Ion: 49 Resp: 38839
 Ion Ratio Lower Upper
 49 100
 129 2.3 0.0 3.8
 130 81.5 57.8 86.6





#29

Tetrahydrofuran

Concen: 101.244 ug/l

RT: 4.64 min Scan# 1259

Delta R.T. -0.00 min

Lab File: VU025083.D

Acq: 30 Jun 2018 13:08

Instrument :

MSVOA_U

ClientSampleId :

VU0630MBS01

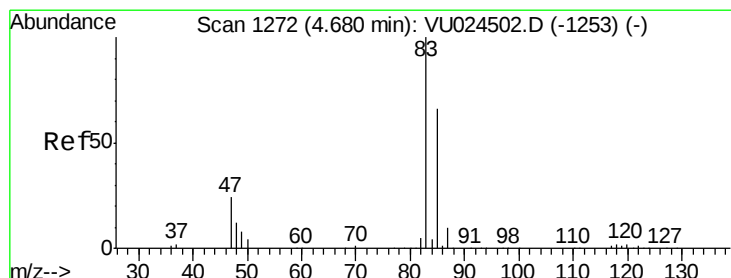
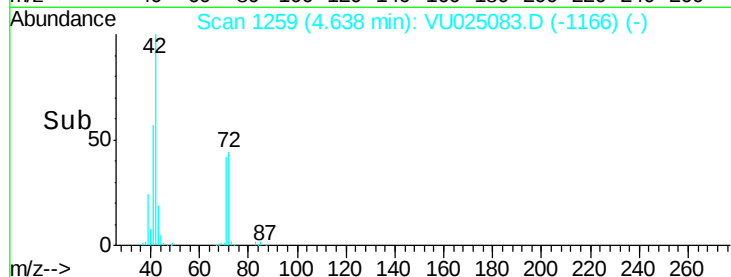
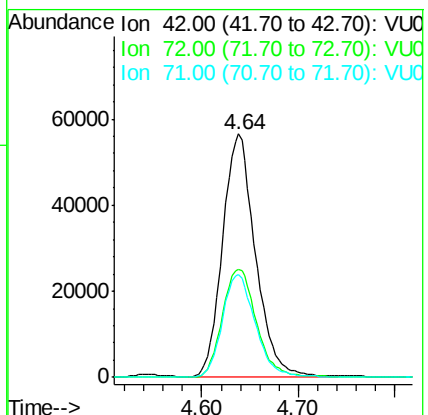
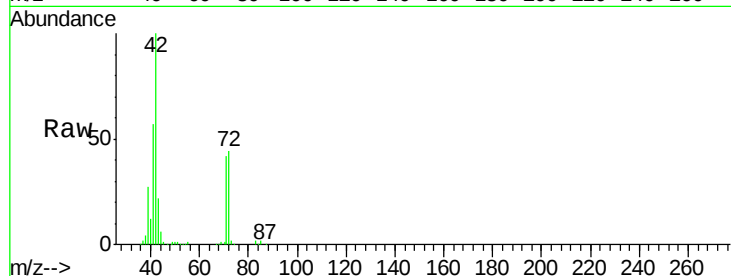
Tgt Ion: 42 Resp: 132850

Ion Ratio Lower Upper

42 100

72 46.0 34.5 51.7

71 42.4 32.2 48.4



#30

Chloroform

Concen: 21.878 ug/l

RT: 4.68 min Scan# 1272

Delta R.T. -0.00 min

Lab File: VU025083.D

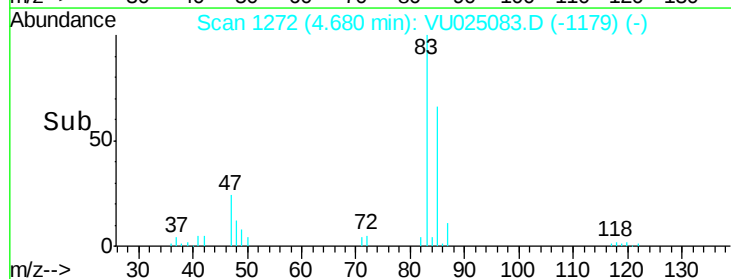
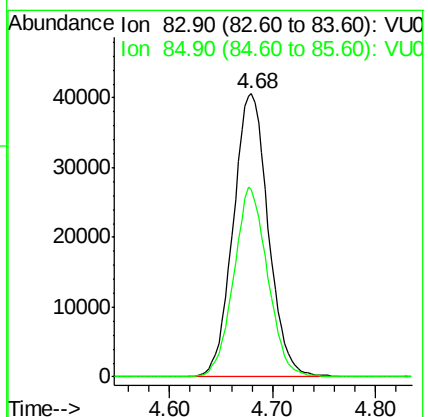
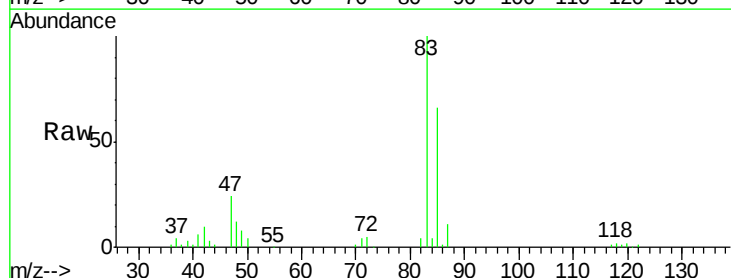
Acq: 30 Jun 2018 13:08

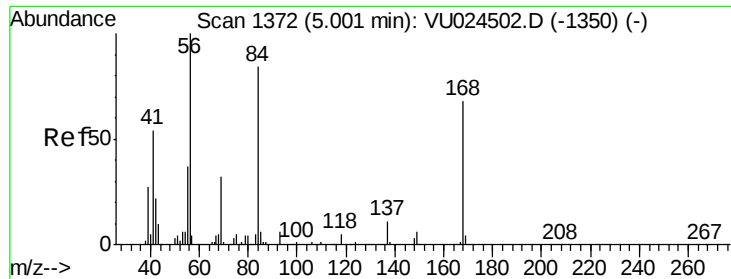
Tgt Ion: 83 Resp: 96016

Ion Ratio Lower Upper

83 100

85 66.1 52.4 78.6

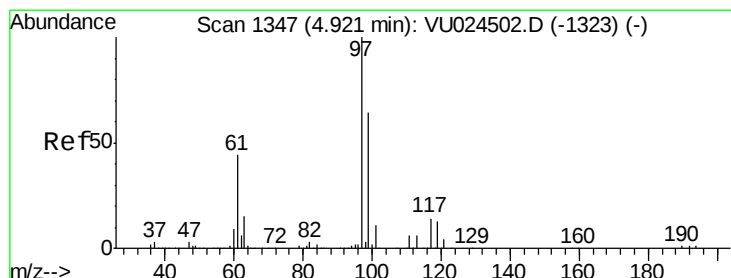
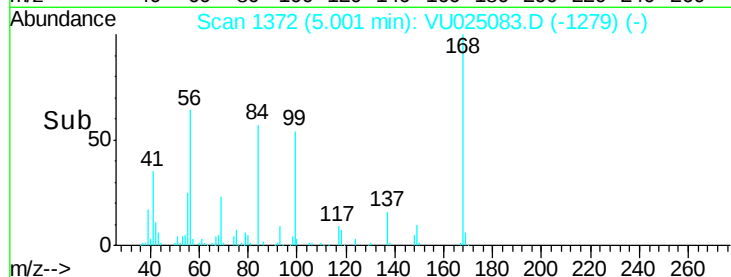
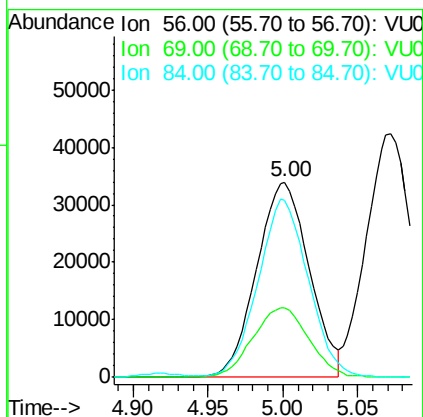
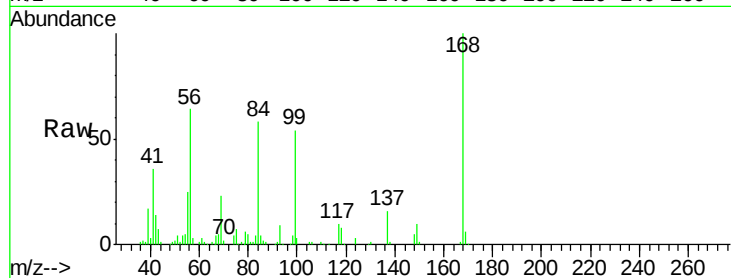




#31
Cyclohexane
Concen: 20.356 ug/l
RT: 5.00 min Scan# 1372
Delta R.T. 0.00 min
Lab File: VU025083.D
Acq: 30 Jun 2018 13:08

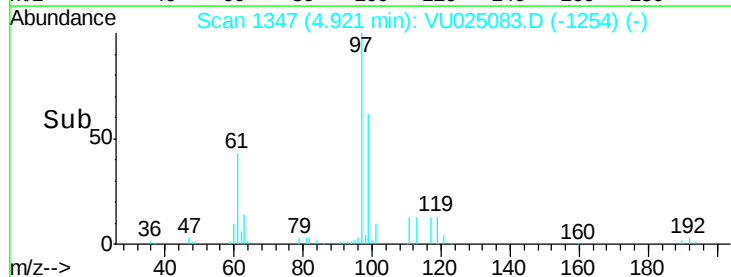
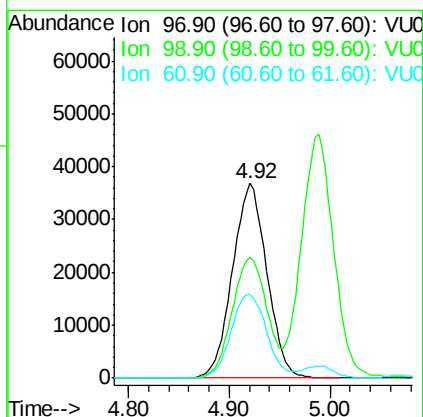
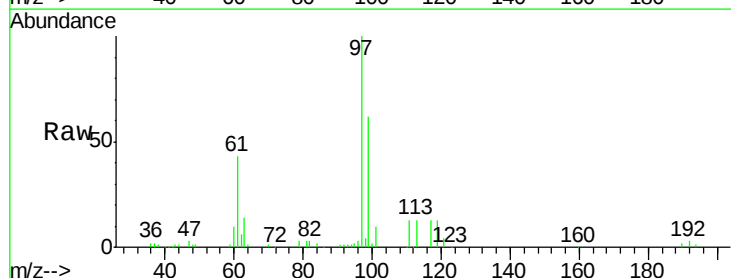
Instrument :
MSVOA_U
ClientSampled :
VU0630MBS01

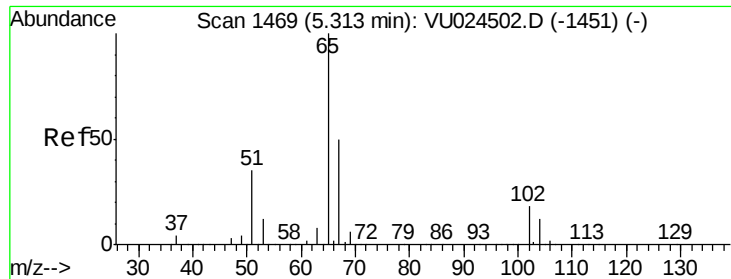
Tgt Ion: 56 Resp: 82886
Ion Ratio Lower Upper
56 100
69 35.5 24.8 37.2
84 89.8 65.2 97.8



#32
1,1,1-Trichloroethane
Concen: 21.487 ug/l
RT: 4.92 min Scan# 1347
Delta R.T. -0.00 min
Lab File: VU025083.D
Acq: 30 Jun 2018 13:08

Tgt Ion: 97 Resp: 87202
Ion Ratio Lower Upper
97 100
99 63.3 51.0 76.6
61 44.5 39.4 59.0

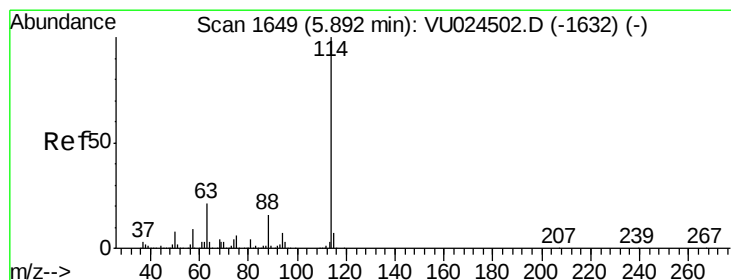
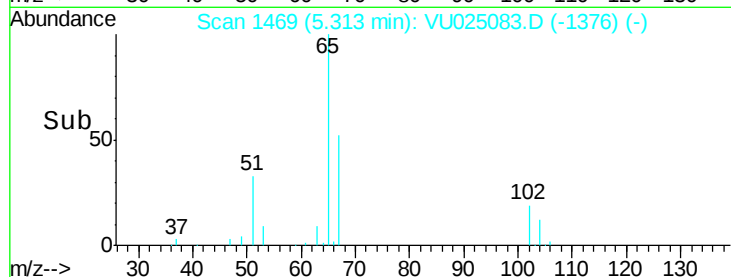
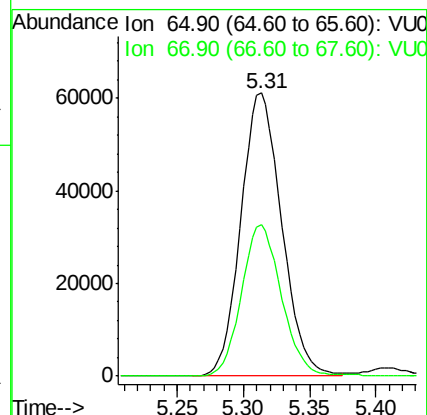
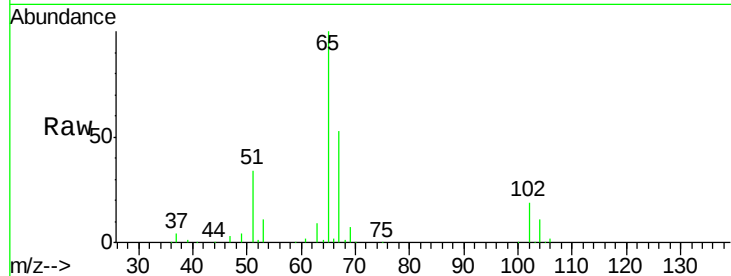




#33
 1,2-Dichloroethane-d4
 Concen: 44.553 ug/l
 RT: 5.31 min Scan# 1469
 Delta R.T. -0.00 min
 Lab File: VU025083.D
 Acq: 30 Jun 2018 13:08

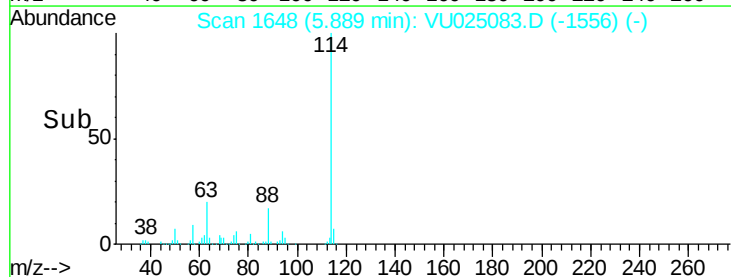
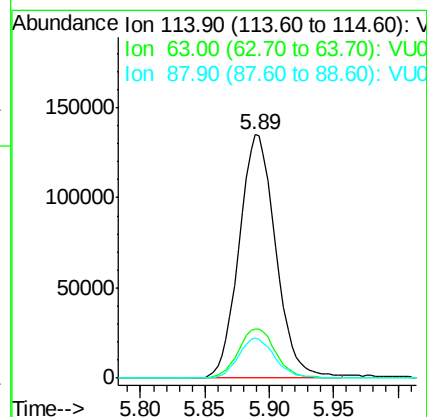
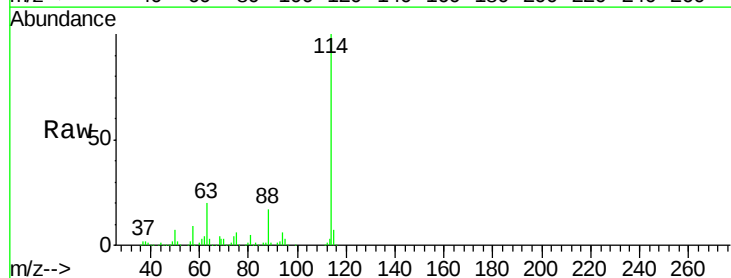
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0630MBS01

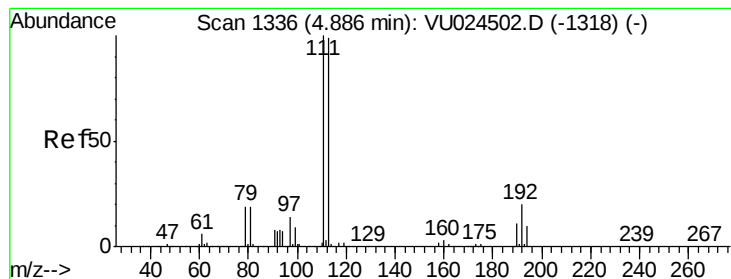
Tgt Ion: 65 Resp: 130806
 Ion Ratio Lower Upper
 65 100
 67 52.5 0.0 107.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1648
 Delta R.T. -0.00 min
 Lab File: VU025083.D
 Acq: 30 Jun 2018 13:08

Tgt Ion: 114 Resp: 267435
 Ion Ratio Lower Upper
 114 100
 63 20.4 0.0 45.4
 88 16.6 0.0 31.0





#35

Dibromofluoromethane

Concen: 48.017 ug/l

RT: 4.89 min Scan# 1336

Delta R.T. -0.00 min

Lab File: VU025083.D

Acq: 30 Jun 2018 13:08

Instrument :

MSVOA_U

ClientSampleId :

VU0630MBS01

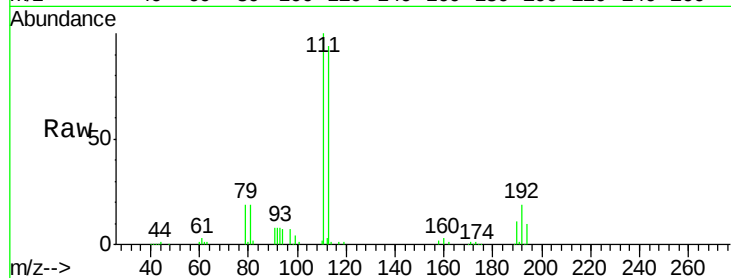
Tgt Ion:113 Resp: 106573

Ion Ratio Lower Upper

113 100

111 104.4 82.2 123.4

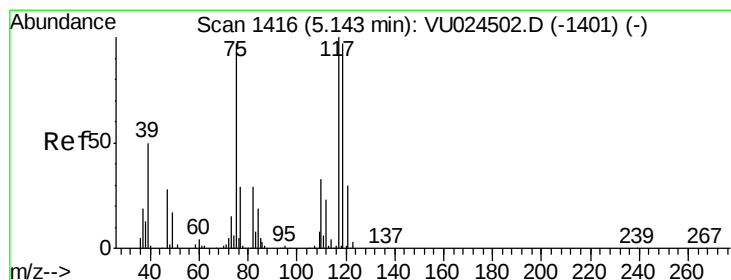
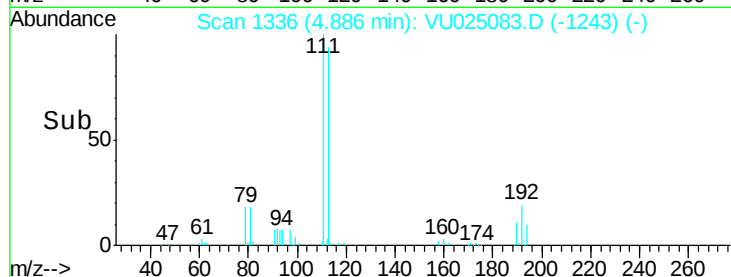
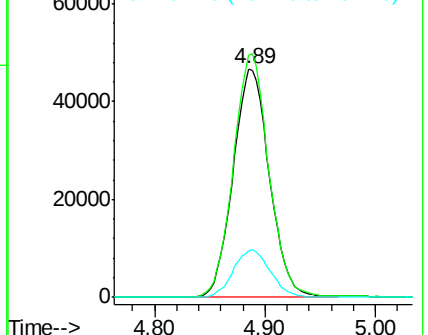
192 21.0 16.2 24.4



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 21.404 ug/l

RT: 5.14 min Scan# 1415

Delta R.T. -0.00 min

Lab File: VU025083.D

Acq: 30 Jun 2018 13:08

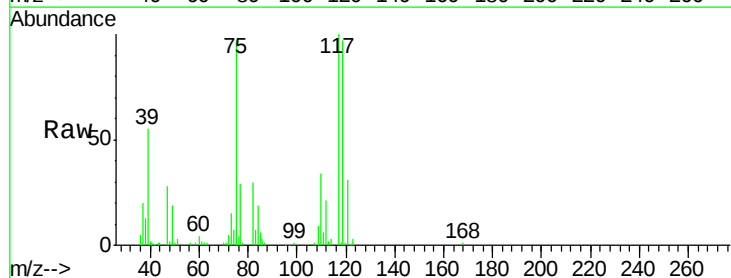
Tgt Ion: 75 Resp: 67265

Ion Ratio Lower Upper

75 100

110 35.0 17.0 50.9

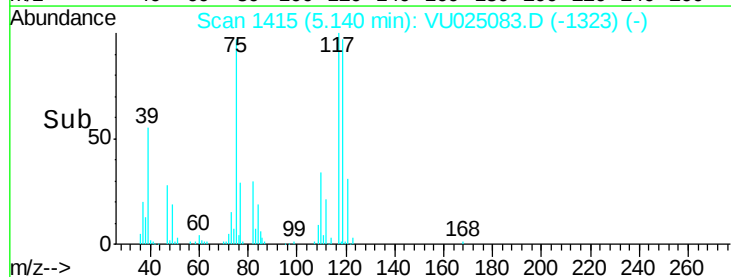
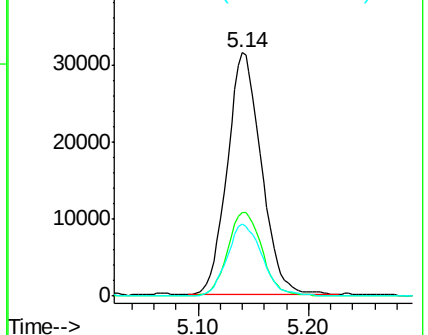
77 30.9 24.2 36.4

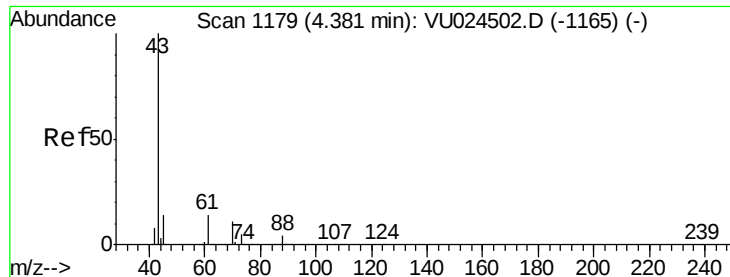


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VU0

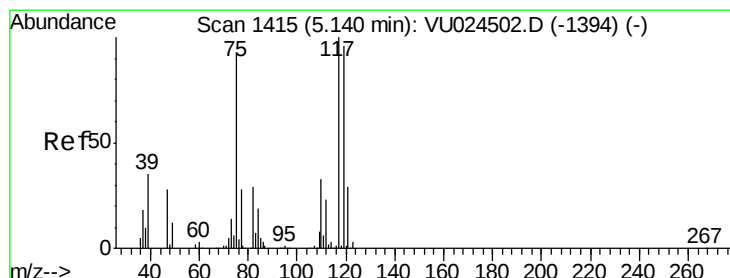
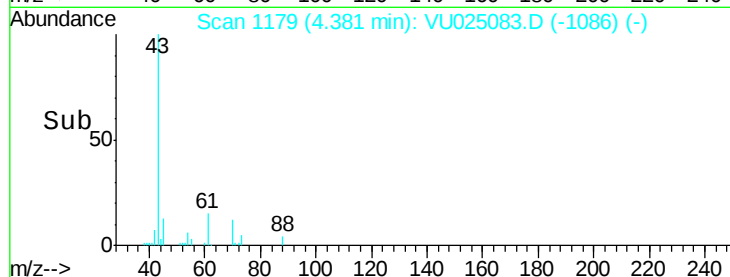
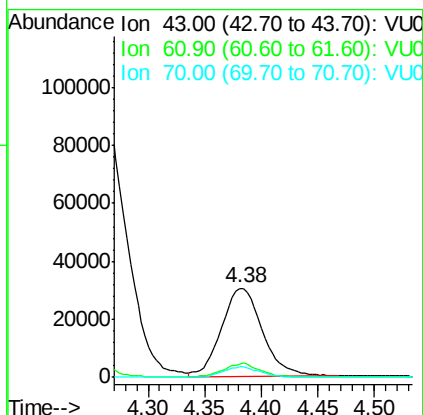
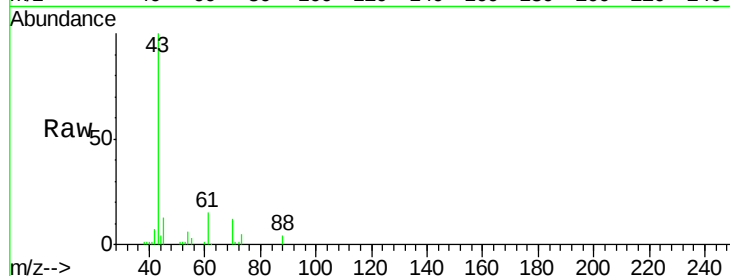




#37
 Ethyl Acetate
 Concen: 22.421 ug/l
 RT: 4.38 min Scan# 1179
 Delta R.T. -0.00 min
 Lab File: VU025083.D
 Acq: 30 Jun 2018 13:08

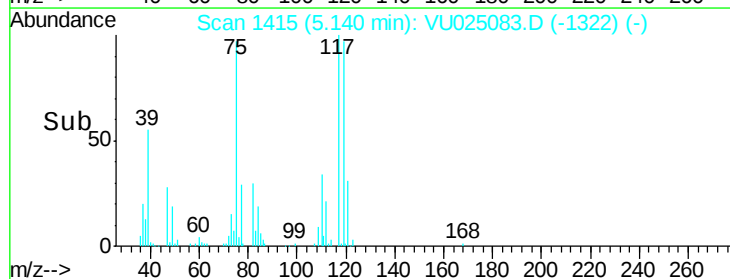
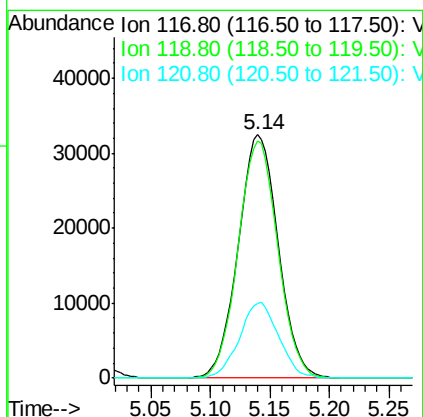
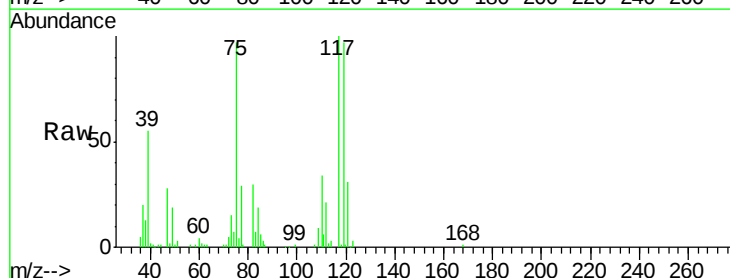
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0630MBS01

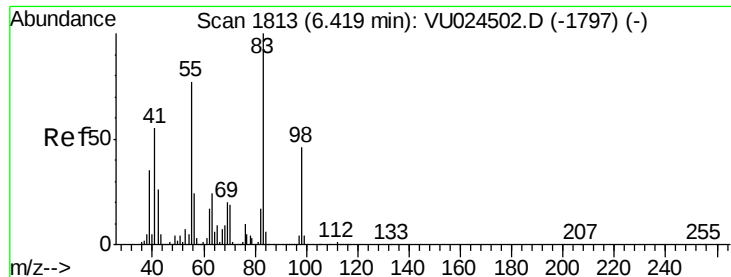
Tgt Ion: 43 Resp: 76796
 Ion Ratio Lower Upper
 43 100
 61 14.4 10.5 15.7
 70 10.7 7.4 11.2



#38
 Carbon Tetrachloride
 Concen: 21.898 ug/l
 RT: 5.14 min Scan# 1415
 Delta R.T. -0.00 min
 Lab File: VU025083.D
 Acq: 30 Jun 2018 13:08

Tgt Ion: 117 Resp: 75676
 Ion Ratio Lower Upper
 117 100
 119 97.4 76.1 114.1
 121 30.8 23.7 35.5

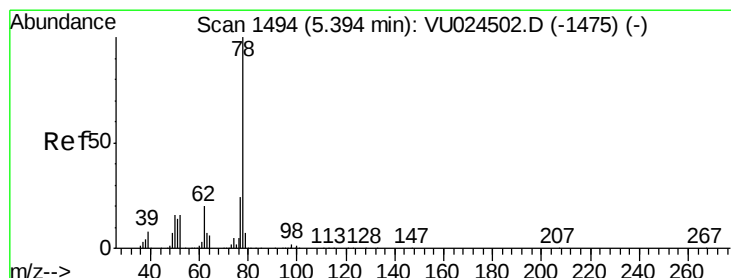
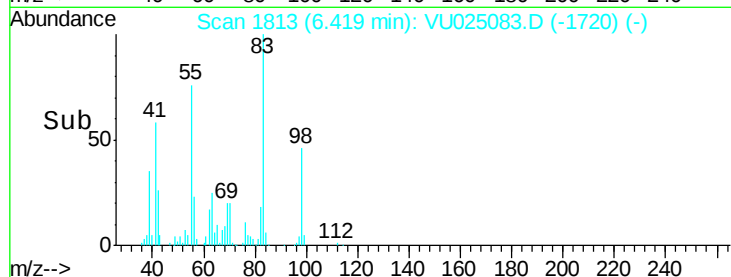
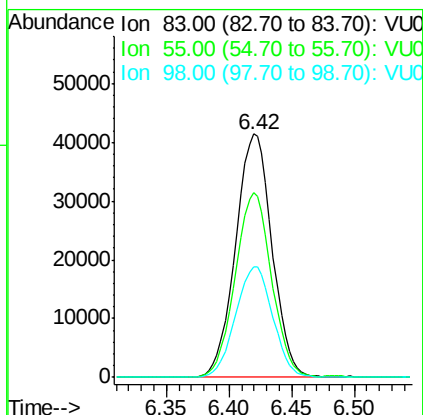
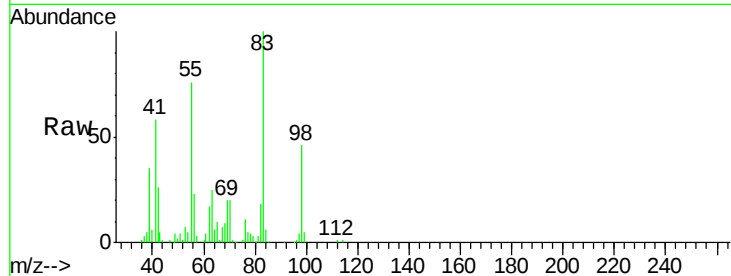




#39
Methylcyclohexane
Concen: 21.377 ug/l
RT: 6.42 min Scan# 1813
Delta R.T. -0.00 min
Lab File: VU025083.D
Acq: 30 Jun 2018 13:08

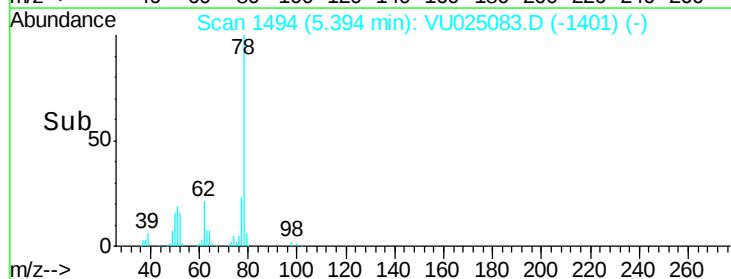
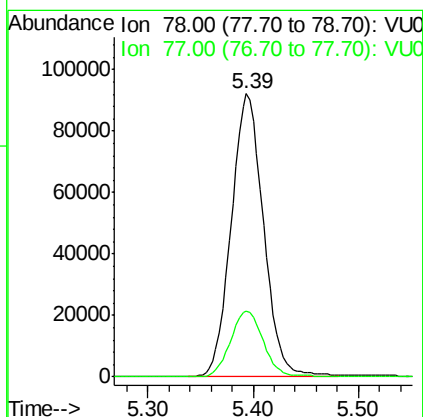
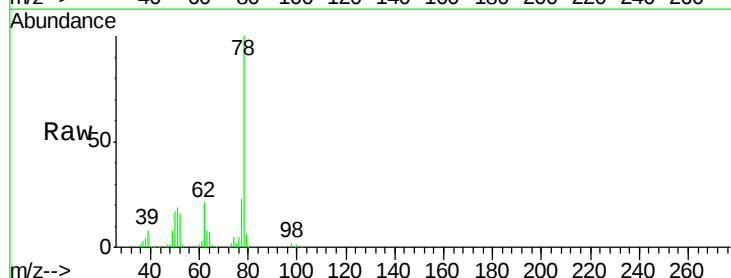
Instrument :
MSVOA_U
ClientSampleId :
VU0630MBS01

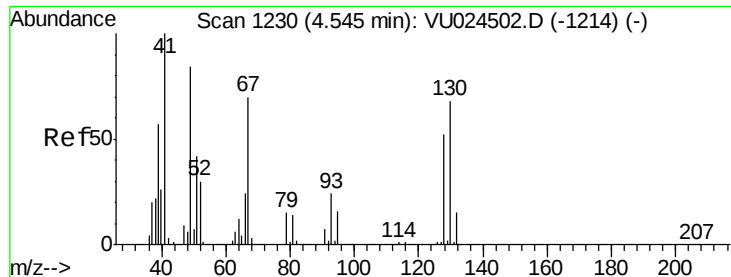
Tgt Ion: 83 Resp: 83833
Ion Ratio Lower Upper
83 100
55 76.0 65.8 98.6
98 45.6 36.7 55.1



#40
Benzene
Concen: 21.894 ug/l
RT: 5.39 min Scan# 1494
Delta R.T. -0.00 min
Lab File: VU025083.D
Acq: 30 Jun 2018 13:08

Tgt Ion: 78 Resp: 196049
Ion Ratio Lower Upper
78 100
77 23.3 19.2 28.8

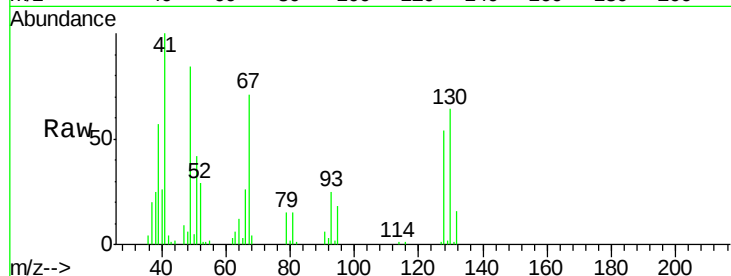




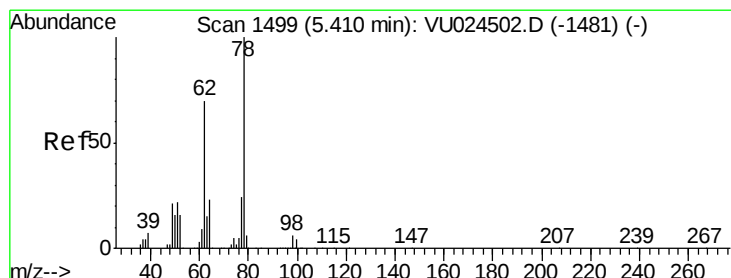
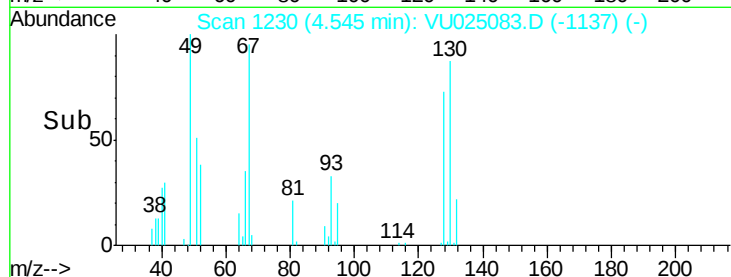
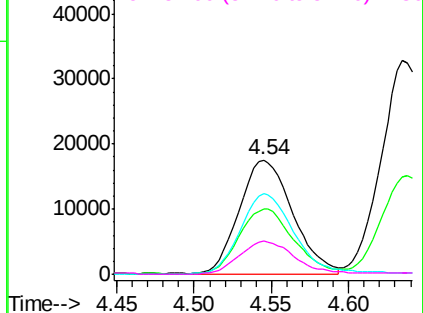
#41
Methacrylonitrile
Concen: 22.969 ug/l
RT: 4.54 min Scan# 1230
Delta R.T. -0.00 min
Lab File: VU025083.D
Acq: 30 Jun 2018 13:08

Instrument :
MSVOA_U
ClientSampleId :
VU0630MBS01

Tgt Ion:	41	Resp:	42418
Ion	Ratio	Lower	Upper
41	100		
39	58.7	43.8	65.6
67	70.3	56.3	84.5
52	29.8	23.2	34.8

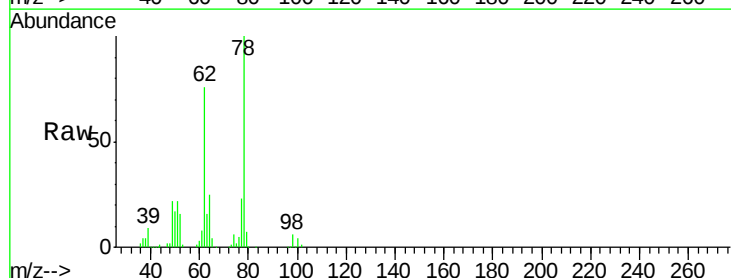


Abundance Ion 41.00 (40.70 to 41.70): VU0
Ion 39.00 (38.70 to 39.70): VU0
Ion 67.00 (66.70 to 67.70): VU0
Ion 52.00 (51.70 to 52.70): VU0

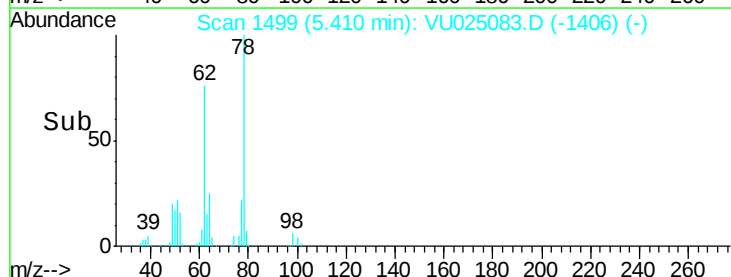
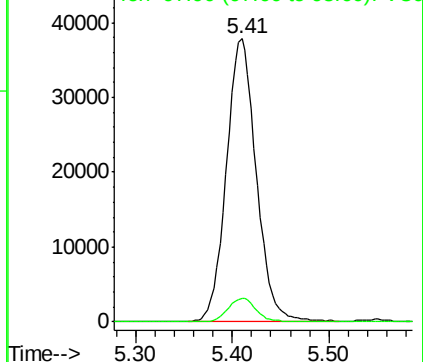


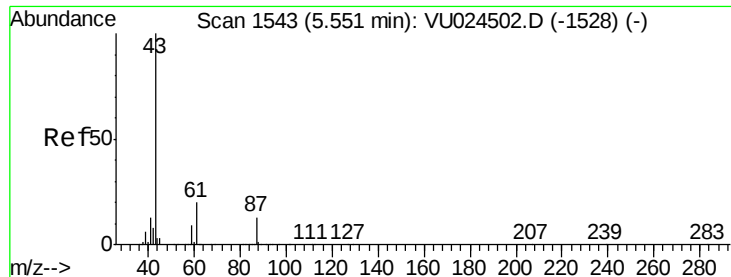
#42
1,2-Dichloroethane
Concen: 23.825 ug/l
RT: 5.41 min Scan# 1499
Delta R.T. -0.00 min
Lab File: VU025083.D
Acq: 30 Jun 2018 13:08

Tgt Ion:	62	Resp:	81255
Ion	Ratio	Lower	Upper
62	100		
98	7.7	0.0	16.6



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





#43

Isopropyl Acetate

Concen: 20.927 ug/l

RT: 5.55 min Scan# 1542

Delta R.T. -0.00 min

Lab File: VU025083.D

Acq: 30 Jun 2018 13:08

Instrument :

MSVOA_U

ClientSampleId :

VU0630MBS01

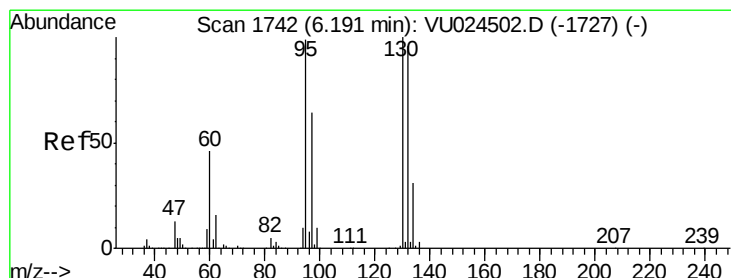
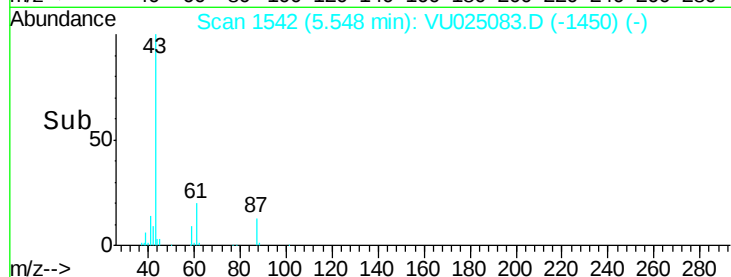
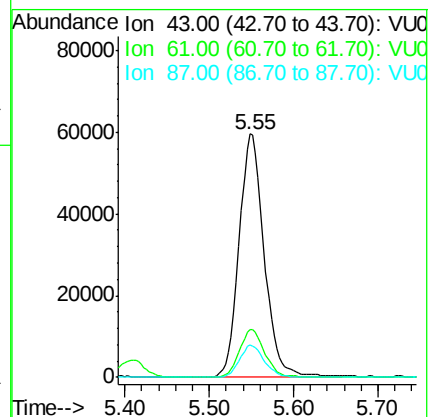
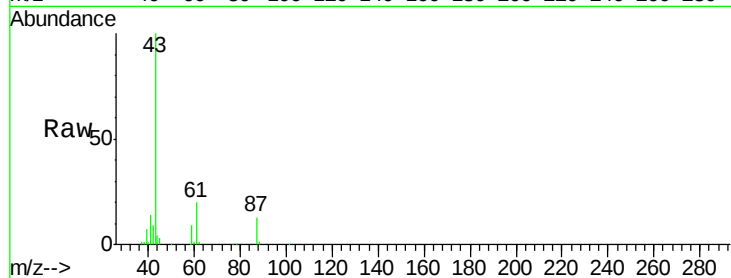
Tgt Ion: 43 Resp: 123901

Ion Ratio Lower Upper

43 100

61 19.8 15.4 23.0

87 13.0 10.0 15.0



#44

Trichloroethene

Concen: 20.881 ug/l

RT: 6.19 min Scan# 1742

Delta R.T. -0.00 min

Lab File: VU025083.D

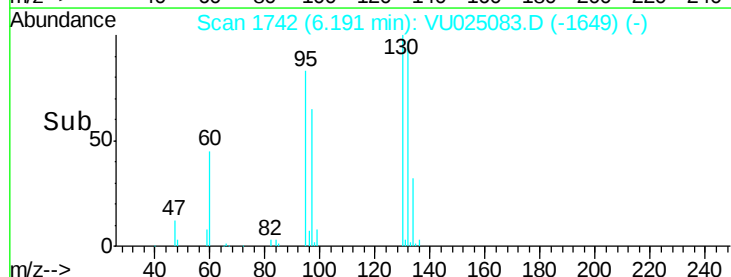
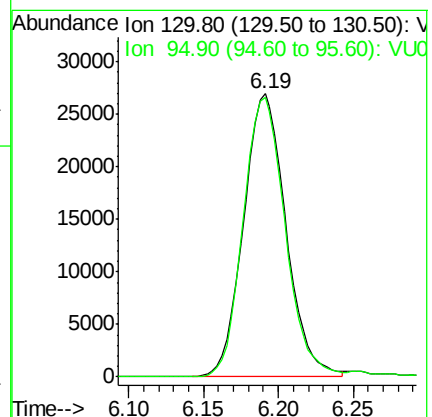
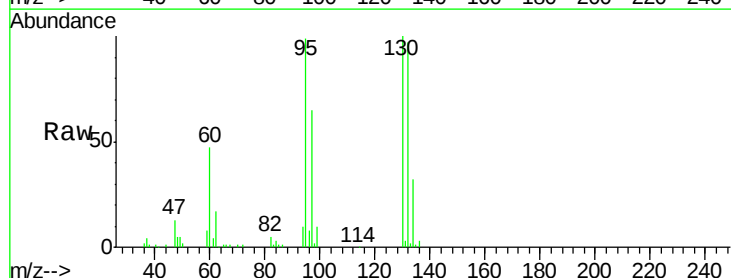
Acq: 30 Jun 2018 13:08

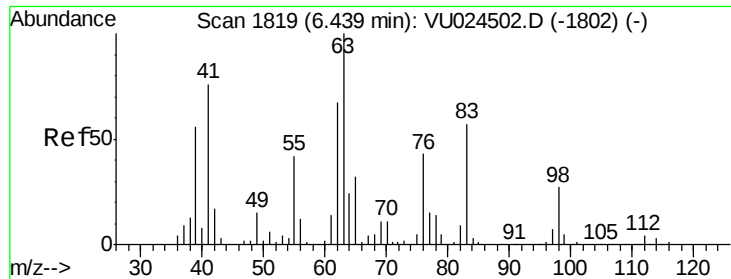
Tgt Ion: 130 Resp: 53215

Ion Ratio Lower Upper

130 100

95 98.9 0.0 202.4

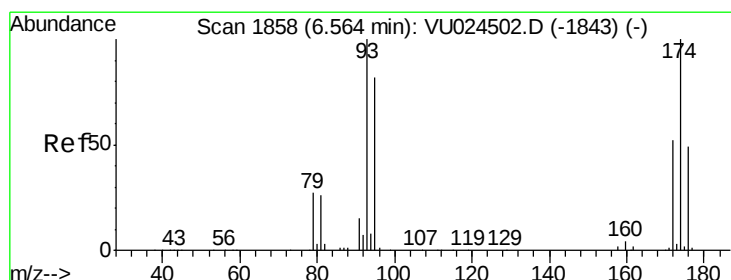
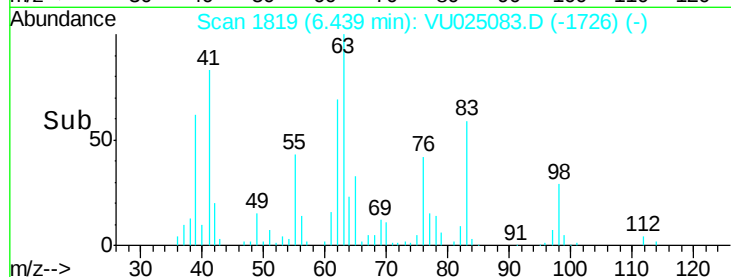
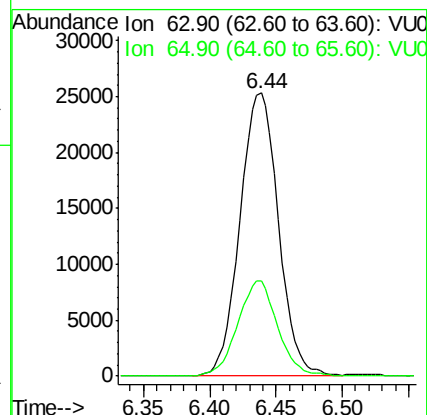
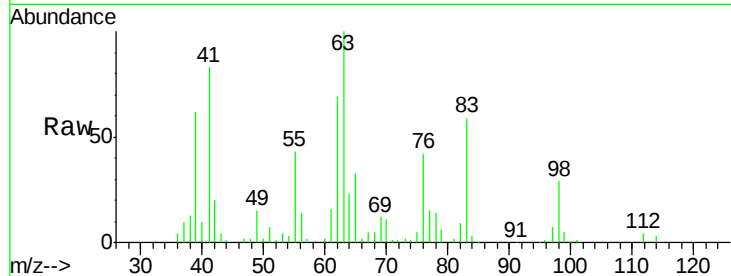




#45
 1,2-Dichloropropane
 Concen: 21.385 ug/l
 RT: 6.44 min Scan# 1819
 Delta R.T. -0.00 min
 Lab File: VU025083.D
 Acq: 30 Jun 2018 13:08

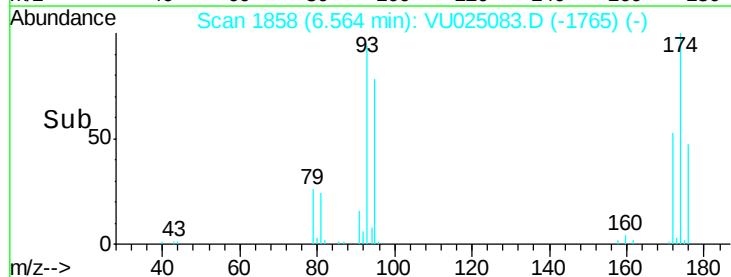
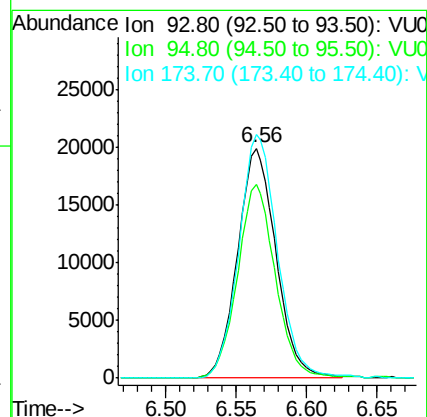
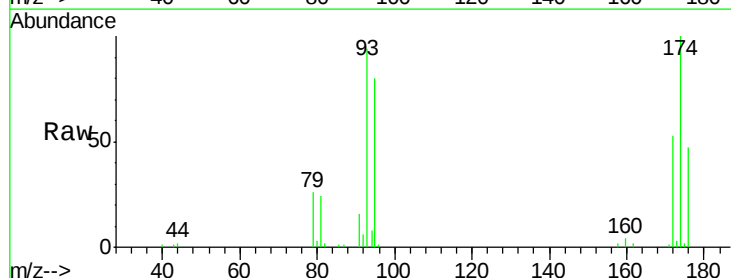
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0630MBS01

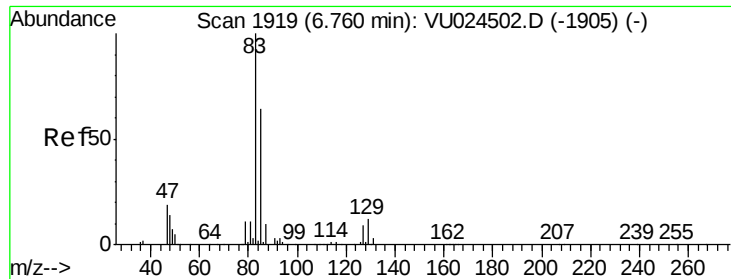
Tgt Ion: 63 Resp: 51095
 Ion Ratio Lower Upper
 63 100
 65 33.5 24.8 37.2



#46
 Dibromomethane
 Concen: 22.661 ug/l
 RT: 6.56 min Scan# 1858
 Delta R.T. -0.00 min
 Lab File: VU025083.D
 Acq: 30 Jun 2018 13:08

Tgt Ion: 93 Resp: 38032
 Ion Ratio Lower Upper
 93 100
 95 83.4 65.5 98.3
 174 106.7 78.7 118.1

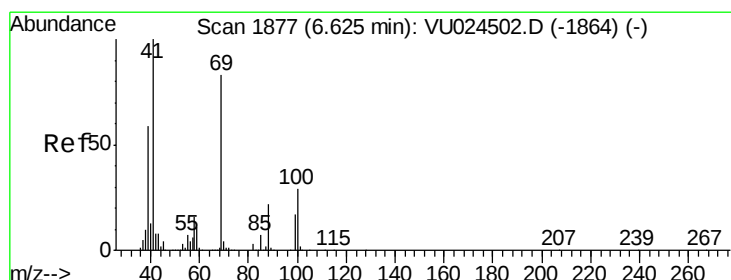
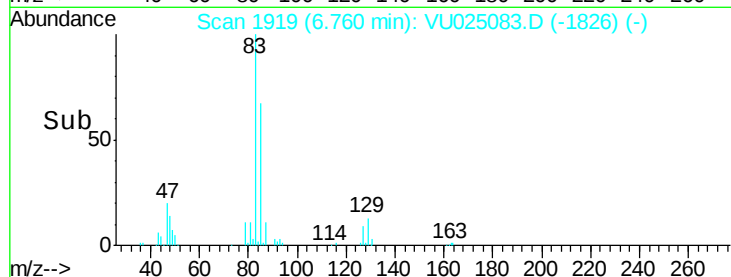
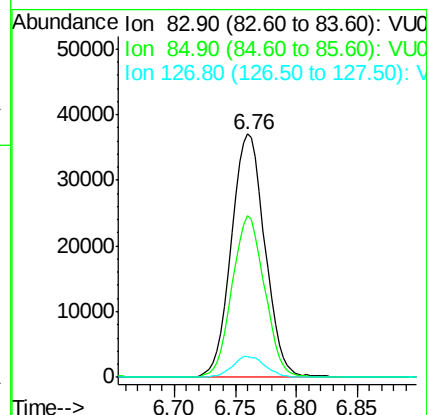
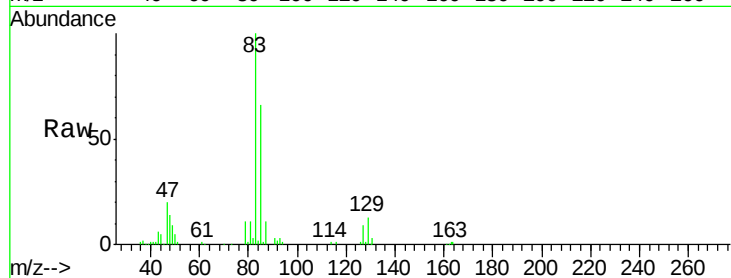




#47
 Bromodichloromethane
 Concen: 21.272 ug/l
 RT: 6.76 min Scan# 1919
 Delta R.T. -0.00 min
 Lab File: VU025083.D
 Acq: 30 Jun 2018 13:08

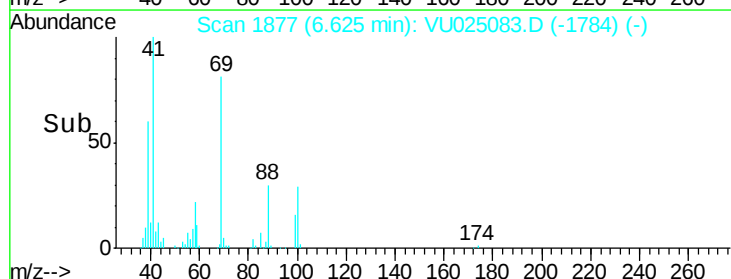
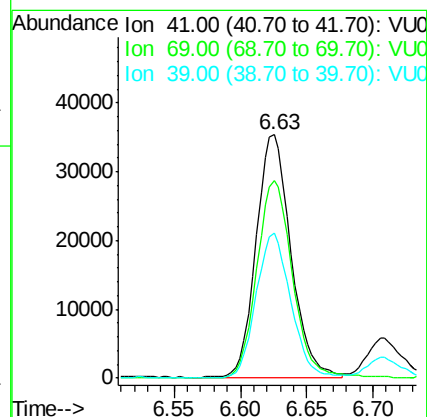
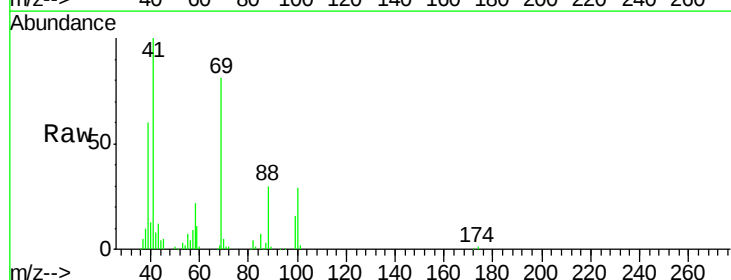
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0630MBS01

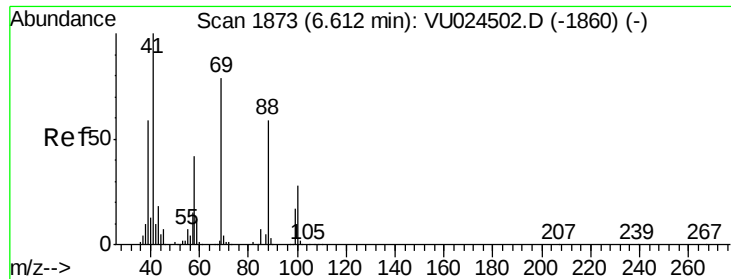
Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.4	51.9	77.9
127	8.5	6.6	9.8



#48
 Methyl methacrylate
 Concen: 22.567 ug/l
 RT: 6.63 min Scan# 1877
 Delta R.T. -0.00 min
 Lab File: VU025083.D
 Acq: 30 Jun 2018 13:08

Tgt Ion	Ratio	Lower	Upper
41	100		
69	82.9	67.3	100.9
39	59.3	46.5	69.7

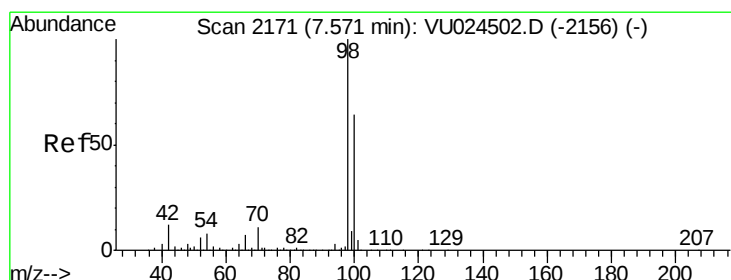
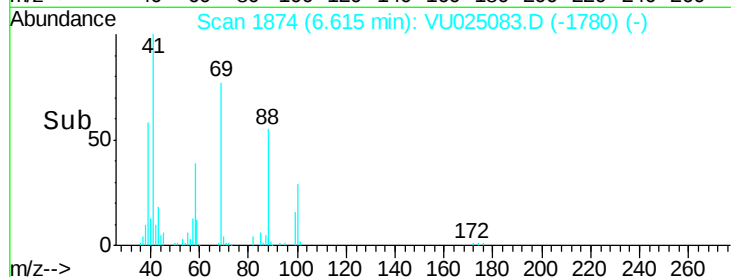
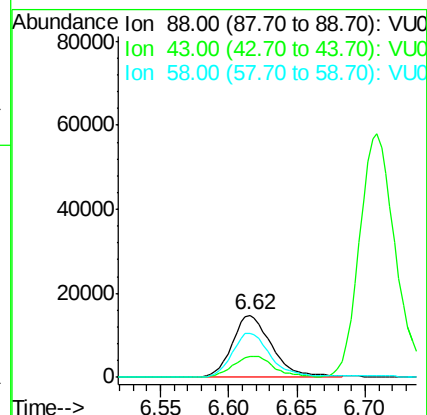
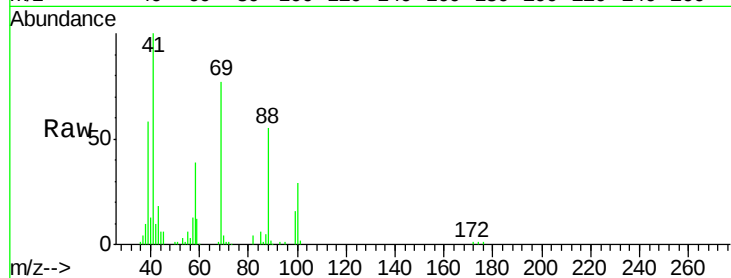




#49
1,4-Dioxane
Concen: 529.142 ug/l
RT: 6.62 min Scan# 1874
Delta R.T. 0.00 min
Lab File: VU025083.D
Acq: 30 Jun 2018 13:08

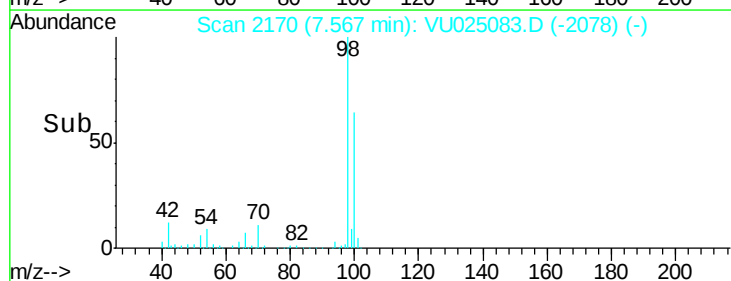
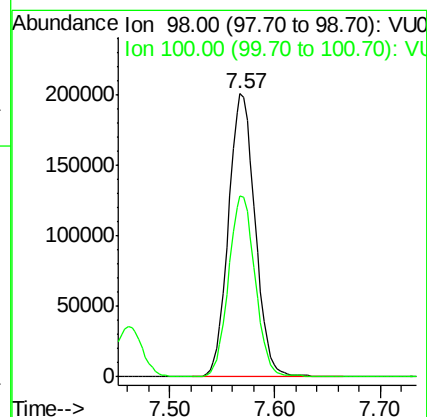
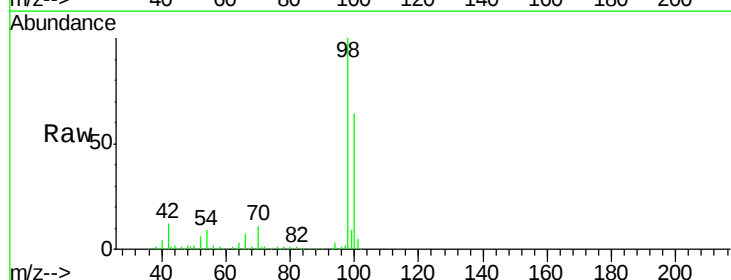
Instrument :
MSVOA_U
ClientSampleId :
VU0630MBS01

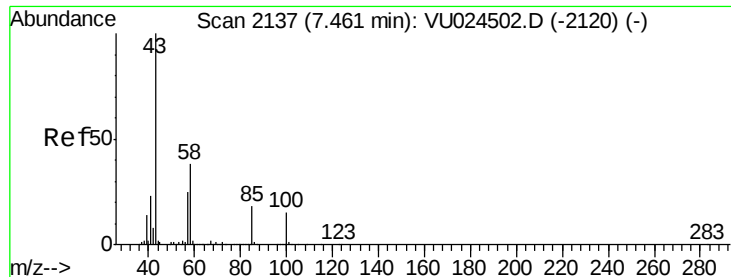
Tgt Ion: 88 Resp: 29833
Ion Ratio Lower Upper
88 100
43 35.6 28.6 42.8
58 70.3 58.2 87.4



#50
Toluene-d8
Concen: 43.414 ug/l
RT: 7.57 min Scan# 2170
Delta R.T. -0.00 min
Lab File: VU025083.D
Acq: 30 Jun 2018 13:08

Tgt Ion: 98 Resp: 351470
Ion Ratio Lower Upper
98 100
100 63.5 51.1 76.7

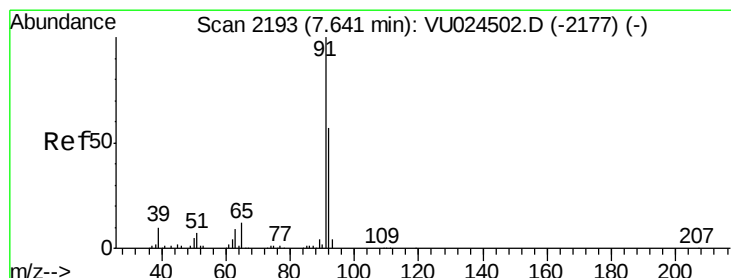
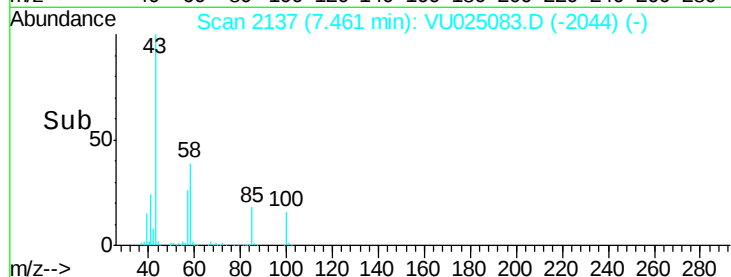
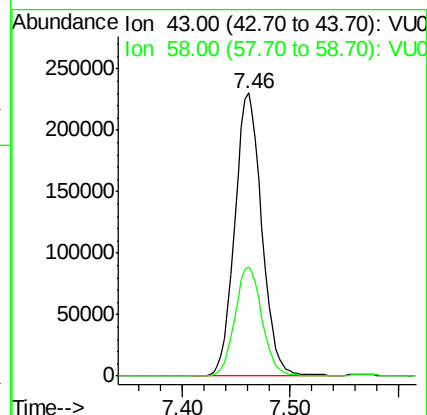
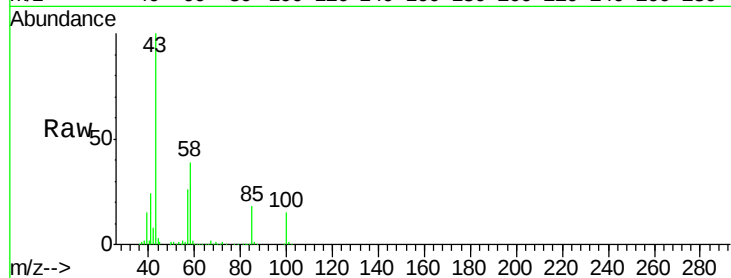




#51
 4-Methyl-2-Pentanone
 Concen: 108.343 ug/l
 RT: 7.46 min Scan# 2137
 Delta R.T. -0.00 min
 Lab File: VU025083.D
 Acq: 30 Jun 2018 13:08

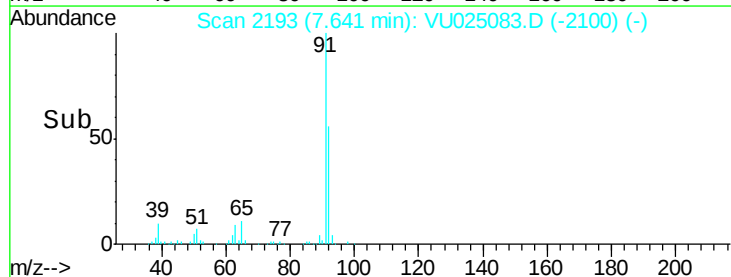
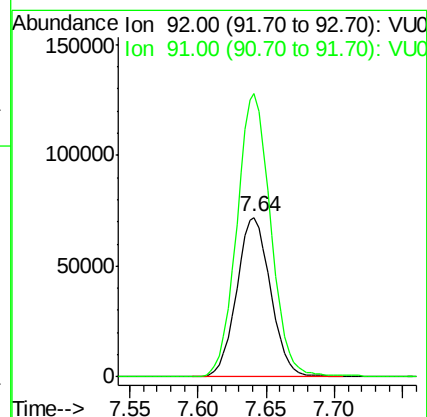
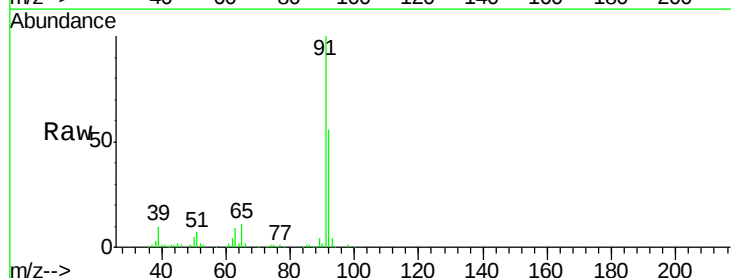
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0630MBS01

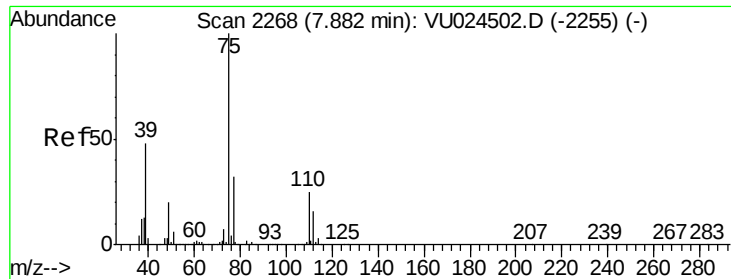
Tgt Ion: 43 Resp: 402993
 Ion Ratio Lower Upper
 43 100
 58 38.7 30.0 45.0



#52
 Toluene
 Concen: 21.589 ug/l
 RT: 7.64 min Scan# 2193
 Delta R.T. -0.00 min
 Lab File: VU025083.D
 Acq: 30 Jun 2018 13:08

Tgt Ion: 92 Resp: 124374
 Ion Ratio Lower Upper
 92 100
 91 177.1 140.5 210.7





#53

t-1,3-Dichloropropene

Concen: 20.084 ug/l

RT: 7.88 min Scan# 2268

Delta R.T. -0.00 min

Lab File: VU025083.D

Acq: 30 Jun 2018 13:08

Instrument :

MSVOA_U

ClientSampleId :

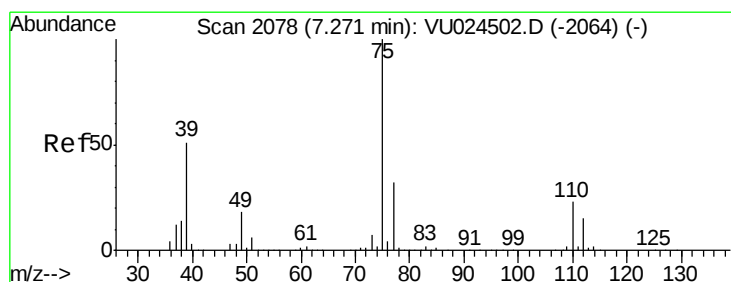
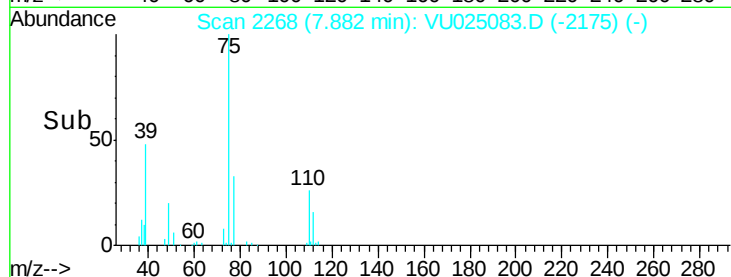
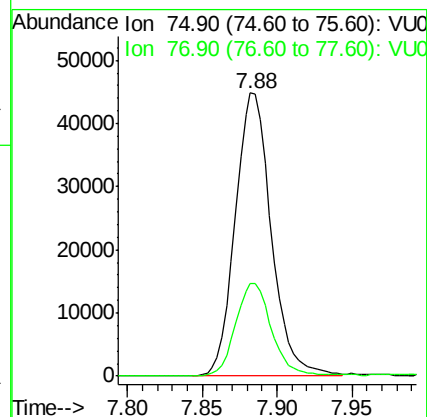
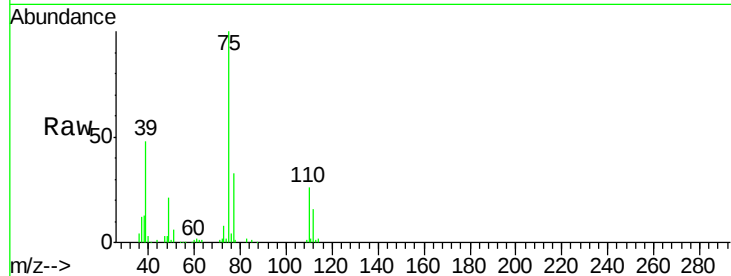
VU0630MBS01

Tgt Ion: 75 Resp: 75375

Ion Ratio Lower Upper

75 100

77 32.6 24.8 37.2



#54

cis-1,3-Dichloropropene

Concen: 20.401 ug/l

RT: 7.27 min Scan# 2078

Delta R.T. -0.00 min

Lab File: VU025083.D

Acq: 30 Jun 2018 13:08

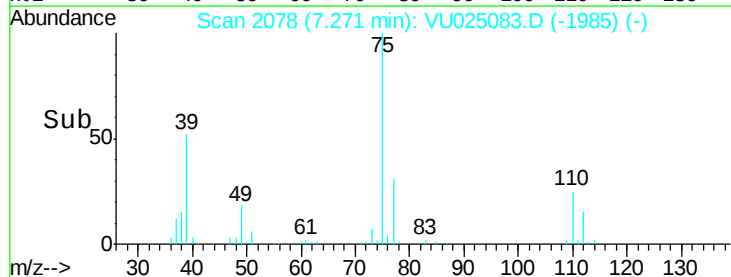
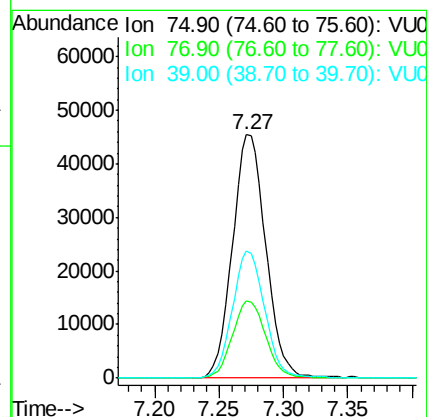
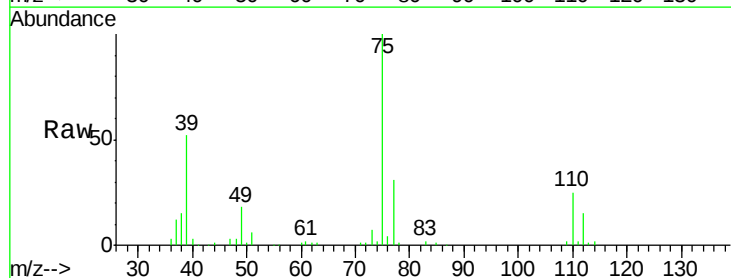
Tgt Ion: 75 Resp: 81583

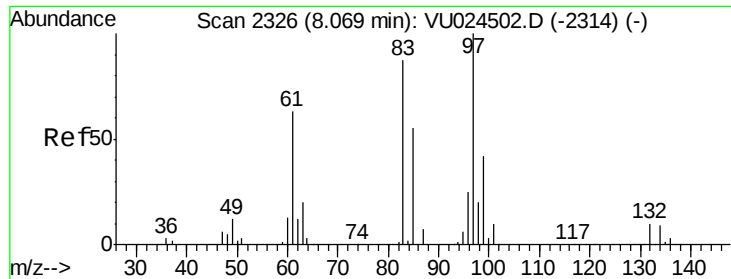
Ion Ratio Lower Upper

75 100

77 31.5 24.6 36.8

39 52.4 39.8 59.6

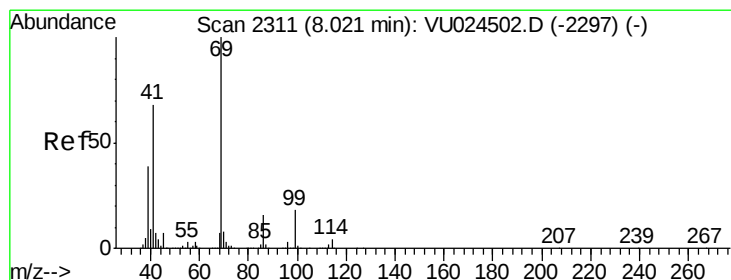
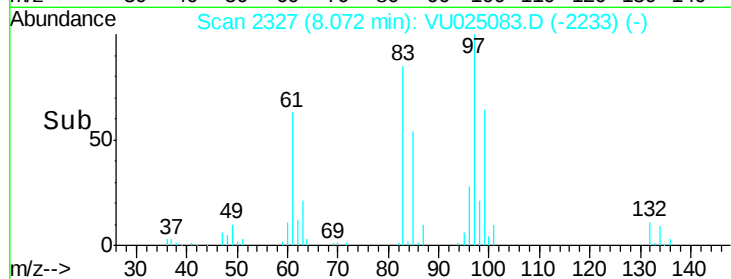
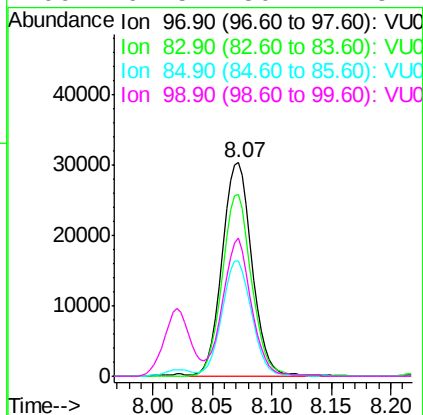
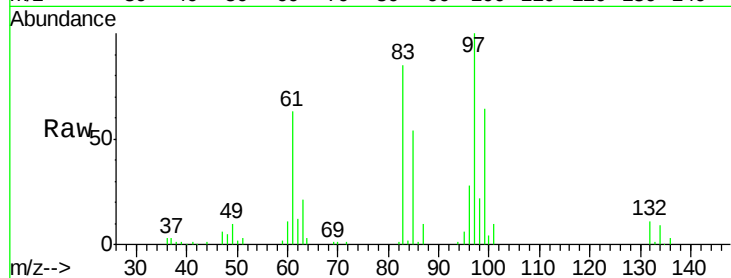




#55
 1,1,2-Trichloroethane
 Concen: 22.624 ug/l
 RT: 8.07 min Scan# 2327
 Delta R.T. 0.00 min
 Lab File: VU025083.D
 Acq: 30 Jun 2018 13:08

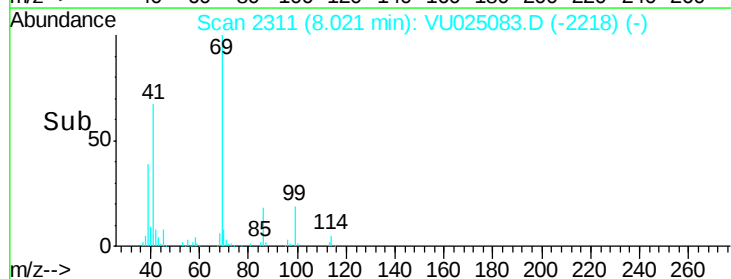
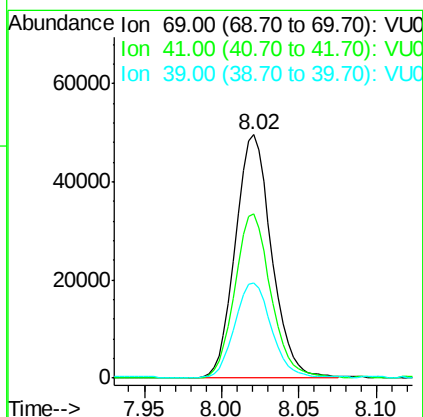
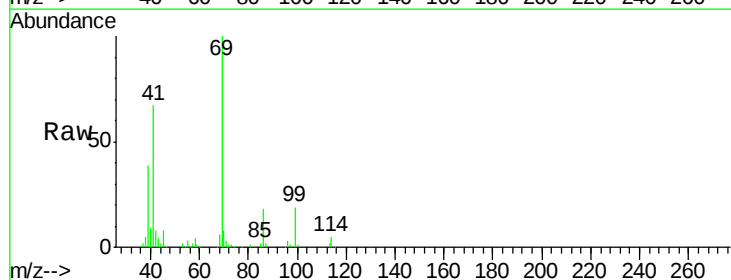
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0630MBS01

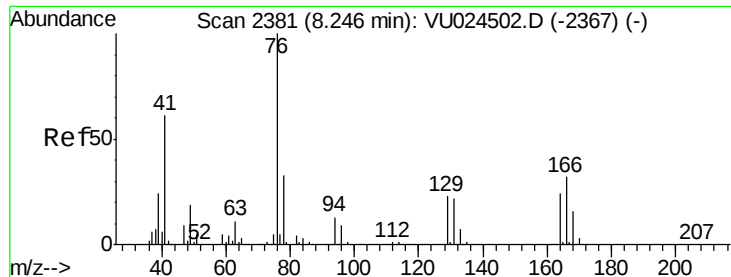
Tgt Ion:	97	Resp:	52980
Ion	Ratio	Lower	Upper
97	100		
83	85.3	70.5	105.7
85	54.1	46.4	69.6
99	64.5	50.2	75.2



#56
 Ethyl methacrylate
 Concen: 20.633 ug/l
 RT: 8.02 min Scan# 2311
 Delta R.T. -0.00 min
 Lab File: VU025083.D
 Acq: 30 Jun 2018 13:08

Tgt Ion:	69	Resp:	80874
Ion	Ratio	Lower	Upper
69	100		
41	67.3	54.1	81.1
39	38.9	30.3	45.5

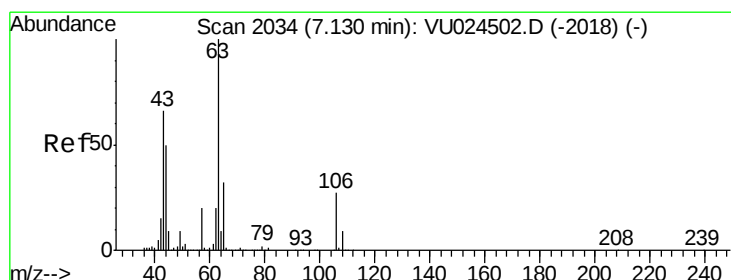
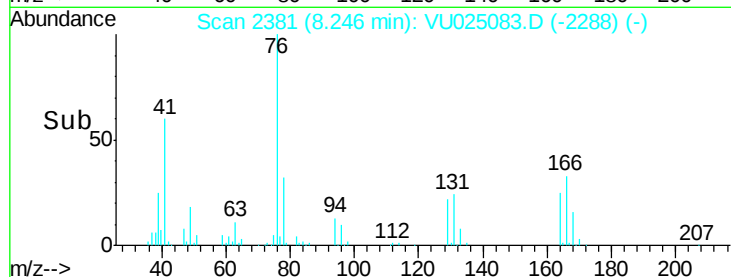
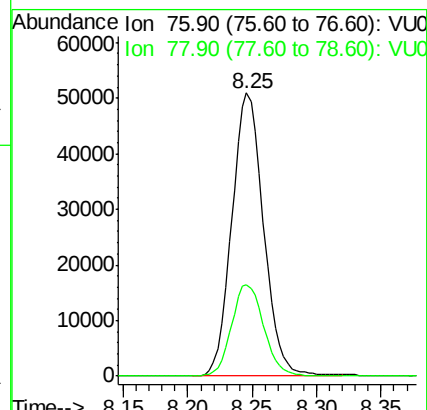
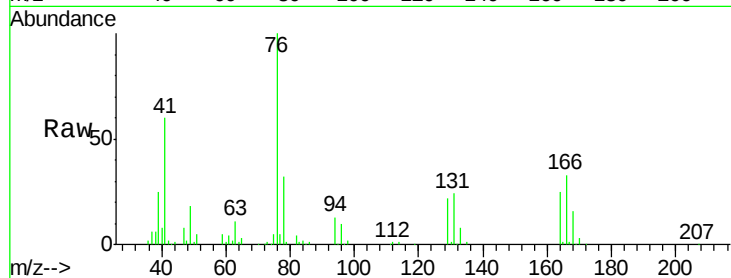




#57
 1,3-Dichloropropane
 Concen: 22.015 ug/l
 RT: 8.25 min Scan# 2381
 Delta R.T. -0.00 min
 Lab File: VU025083.D
 Acq: 30 Jun 2018 13:08

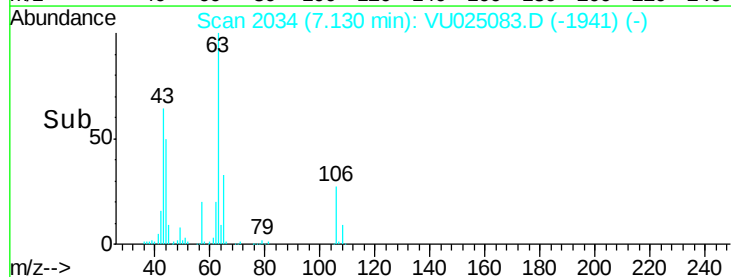
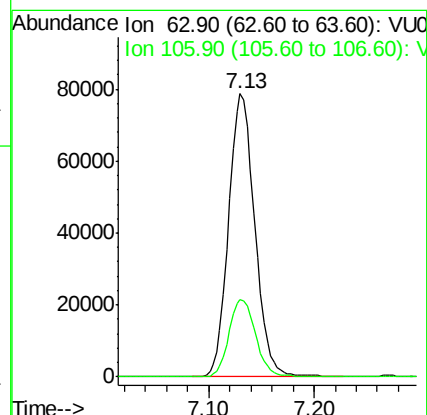
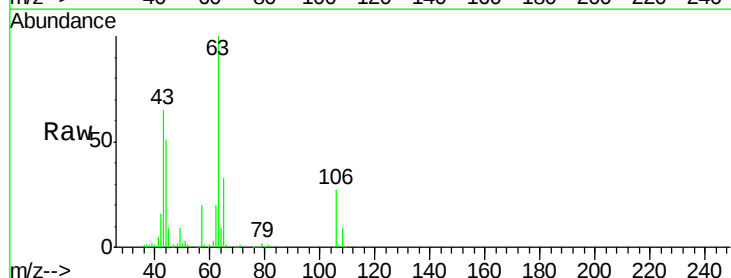
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0630MBS01

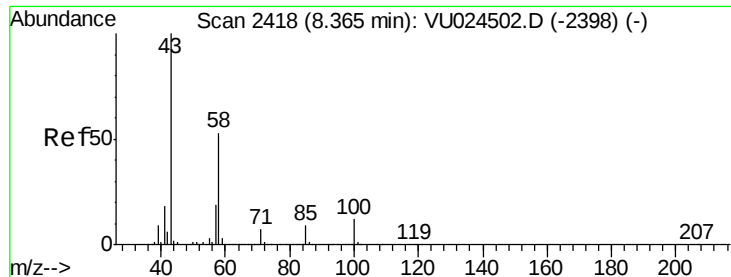
Tgt Ion: 76 Resp: 86968
 Ion Ratio Lower Upper
 76 100
 78 33.1 25.2 37.8



#58
 2-Chloroethyl Vinyl ether
 Concen: 90.305 ug/l
 RT: 7.13 min Scan# 2034
 Delta R.T. -0.00 min
 Lab File: VU025083.D
 Acq: 30 Jun 2018 13:08

Tgt Ion: 63 Resp: 135603
 Ion Ratio Lower Upper
 63 100
 106 27.6 20.2 30.2

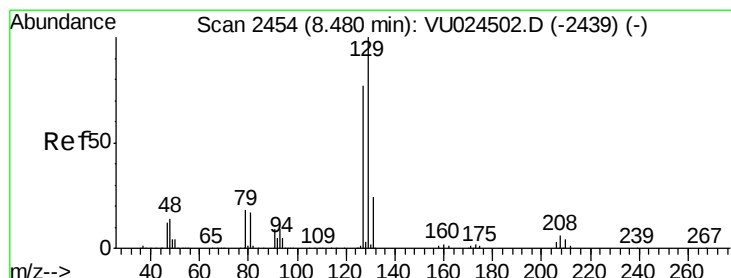
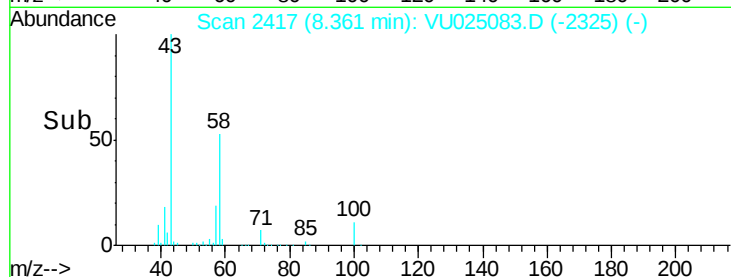
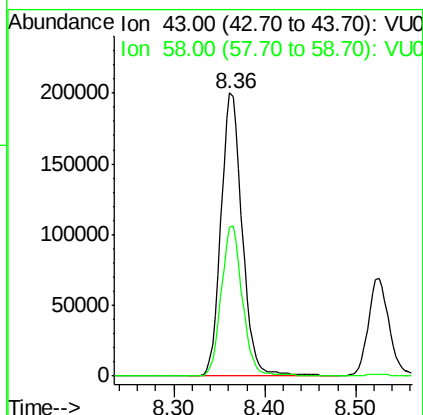
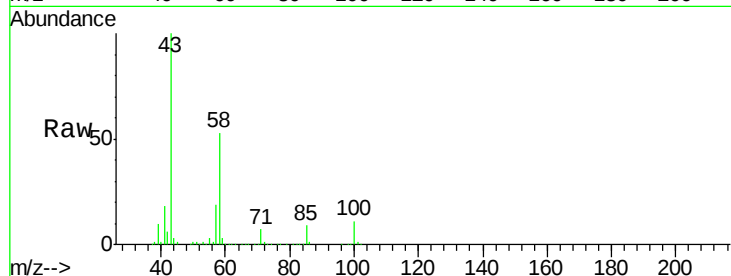




#59
2-Hexanone
Concen: 107.304 ug/l
RT: 8.36 min Scan# 2417
Delta R.T. -0.00 min
Lab File: VU025083.D
Acq: 30 Jun 2018 13:08

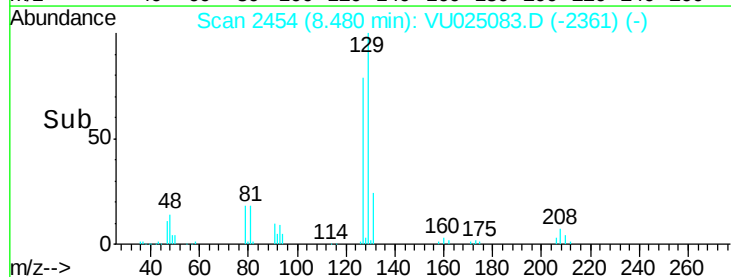
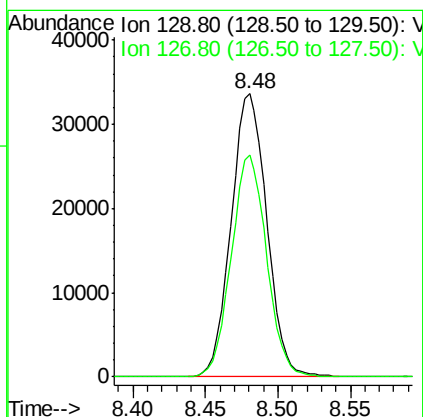
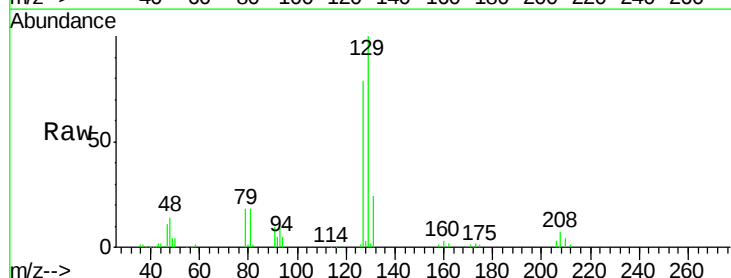
Instrument :
MSVOA_U
ClientSampleId :
VU0630MBS01

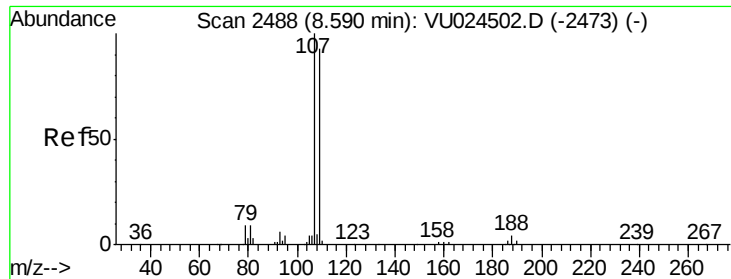
Tgt Ion: 43 Resp: 325851
Ion Ratio Lower Upper
43 100
58 52.8 26.4 79.0



#60
Dibromochloromethane
Concen: 19.713 ug/l
RT: 8.48 min Scan# 2454
Delta R.T. -0.00 min
Lab File: VU025083.D
Acq: 30 Jun 2018 13:08

Tgt Ion: 129 Resp: 57566
Ion Ratio Lower Upper
129 100
127 77.4 38.6 116.0





#61

1,2-Dibromoethane

Concen: 21.843 ug/l

RT: 8.59 min Scan# 2488

Delta R.T. -0.00 min

Lab File: VU025083.D

Acq: 30 Jun 2018 13:08

Instrument :

MSVOA_U

ClientSampleId :

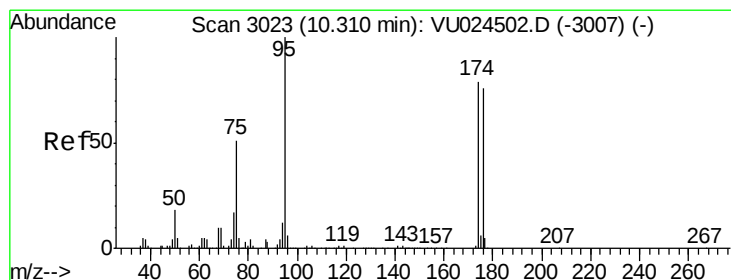
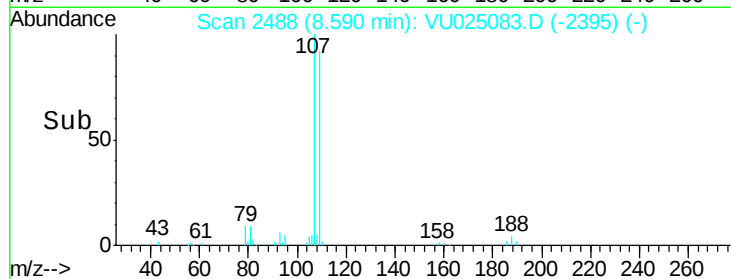
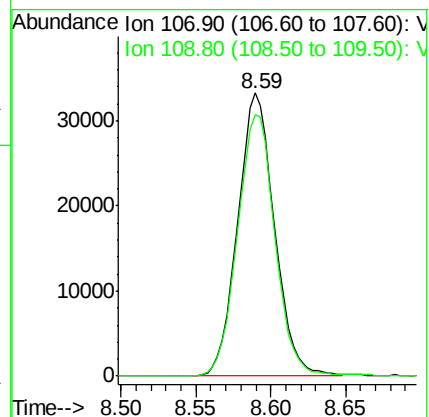
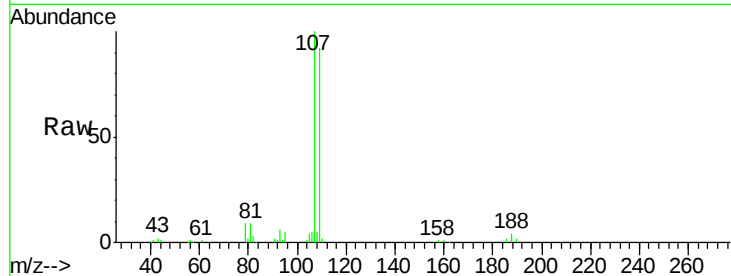
VU0630MBS01

Tgt Ion:107 Resp: 56933

Ion Ratio Lower Upper

107 100

109 94.5 74.5 111.7



#62

4-Bromofluorobenzene

Concen: 45.321 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.00 min

Lab File: VU025083.D

Acq: 30 Jun 2018 13:08

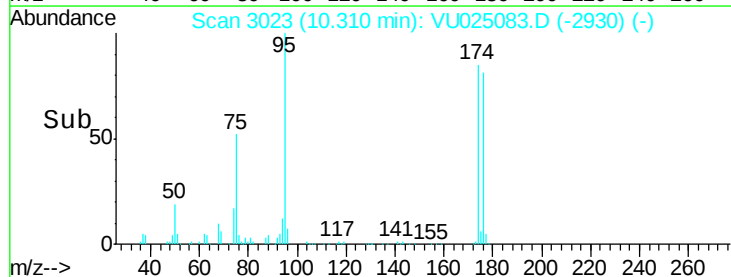
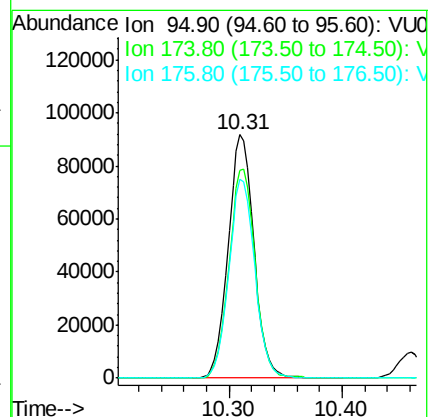
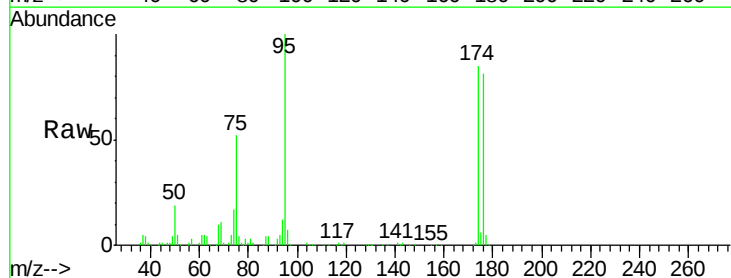
Tgt Ion: 95 Resp: 145680

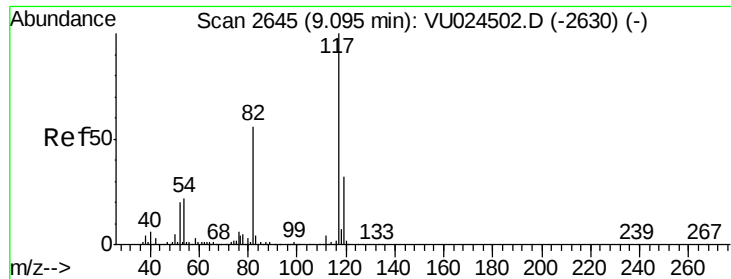
Ion Ratio Lower Upper

95 100

174 86.7 0.0 165.8

176 82.4 0.0 159.4

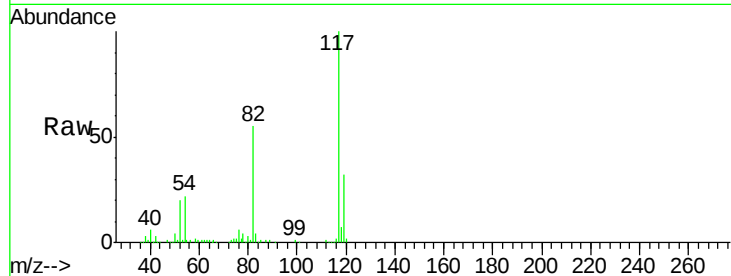




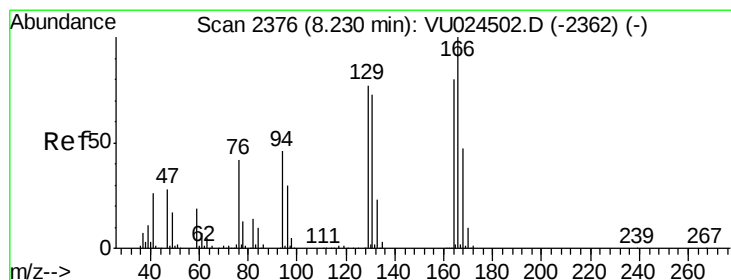
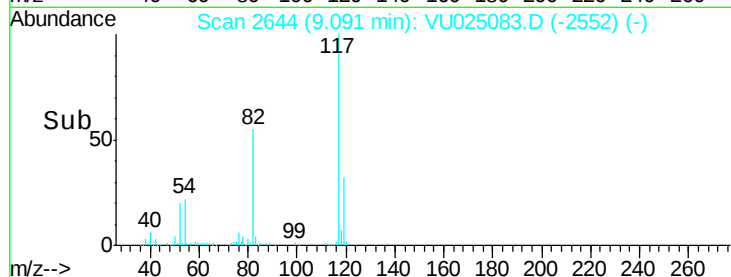
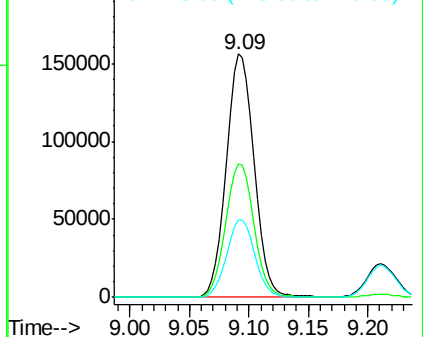
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2644
Delta R.T. -0.00 min
Lab File: VU025083.D
Acq: 30 Jun 2018 13:08

Instrument :
MSVOA_U
ClientSampleId :
VU0630MBS01

Tgt Ion:117 Resp: 254093
Ion Ratio Lower Upper
117 100
82 54.9 44.3 66.5
119 31.7 25.4 38.2



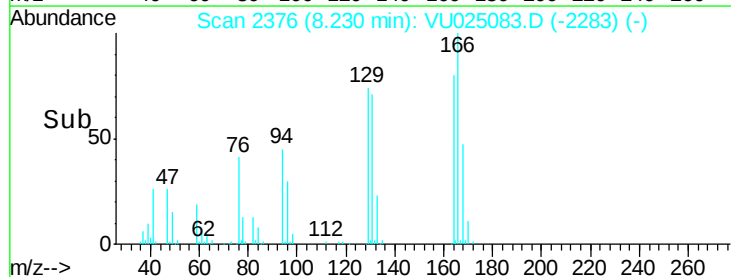
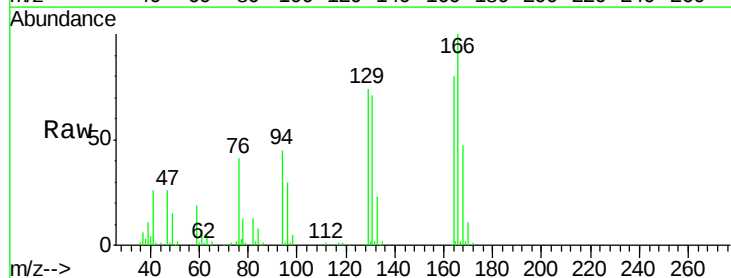
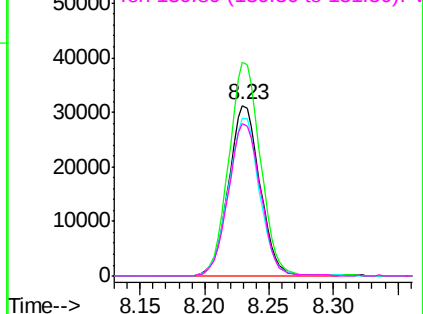
Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

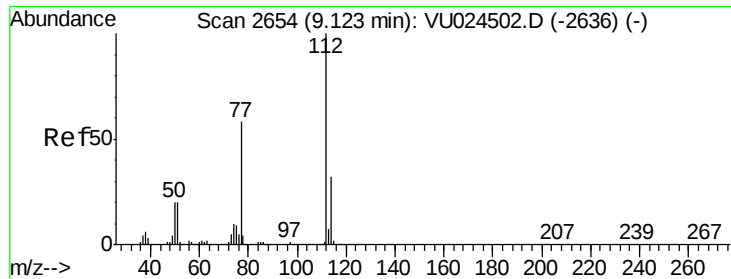


#64
Tetrachloroethene
Concen: 21.853 ug/l
RT: 8.23 min Scan# 2376
Delta R.T. -0.00 min
Lab File: VU025083.D
Acq: 30 Jun 2018 13:08

Tgt Ion:164 Resp: 52781
Ion Ratio Lower Upper
164 100
166 125.2 101.7 152.5
129 92.1 76.9 115.3
131 89.4 74.9 112.3

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: 21.970 ug/l

RT: 9.12 min Scan# 2654

Delta R.T. -0.00 min

Lab File: VU025083.D

Acq: 30 Jun 2018 13:08

Instrument :

MSVOA_U

ClientSampleId :

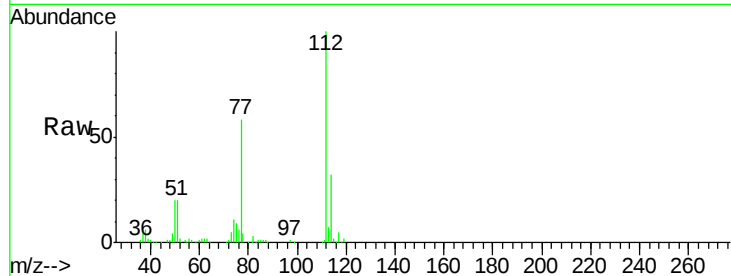
VU0630MBS01

Tgt Ion:112 Resp: 142609

Ion Ratio Lower Upper

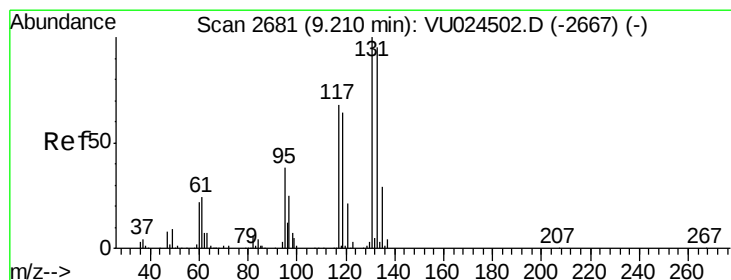
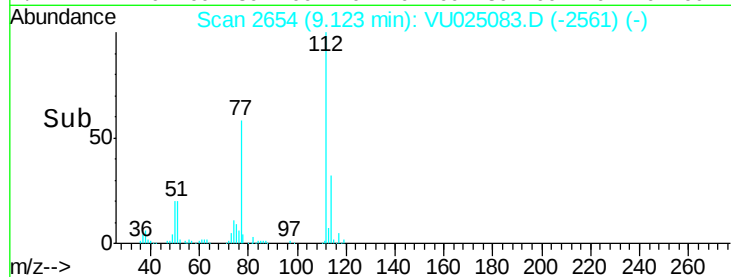
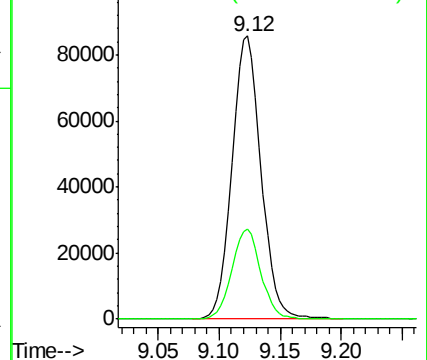
112 100

114 31.9 25.6 38.4



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 21.792 ug/l

RT: 9.21 min Scan# 2681

Delta R.T. -0.00 min

Lab File: VU025083.D

Acq: 30 Jun 2018 13:08

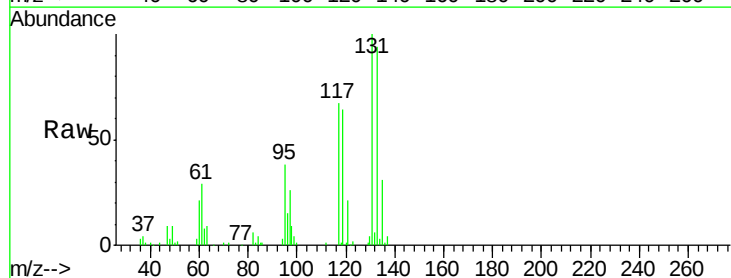
Tgt Ion:131 Resp: 53742

Ion Ratio Lower Upper

131 100

133 95.3 46.9 140.8

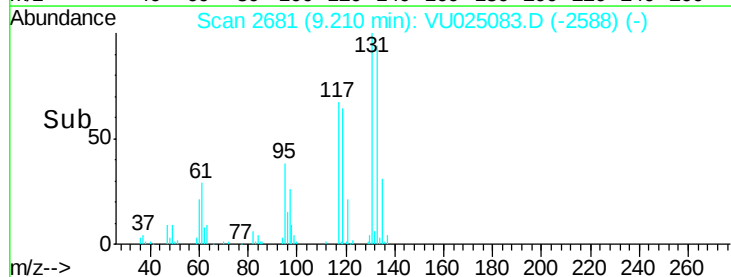
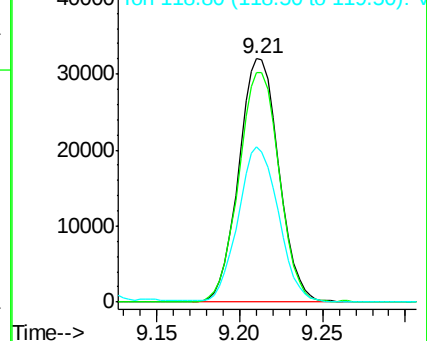
119 64.6 33.5 100.4

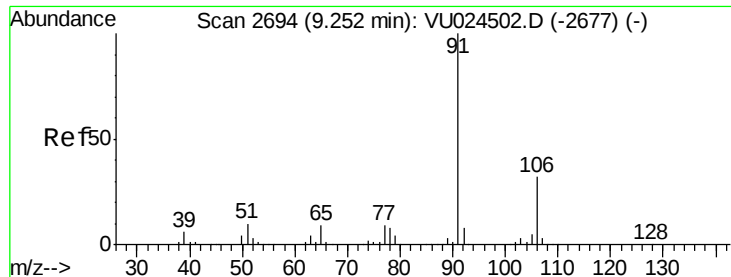


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

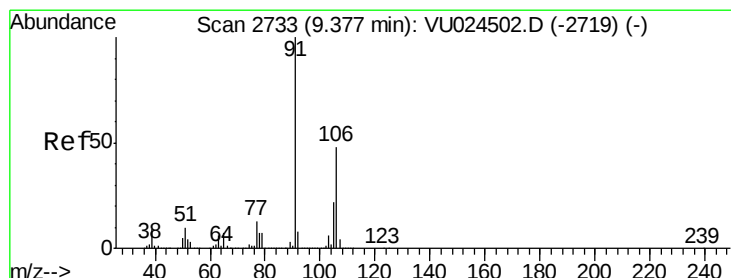
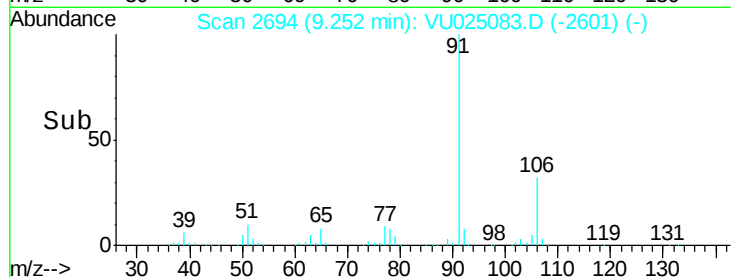
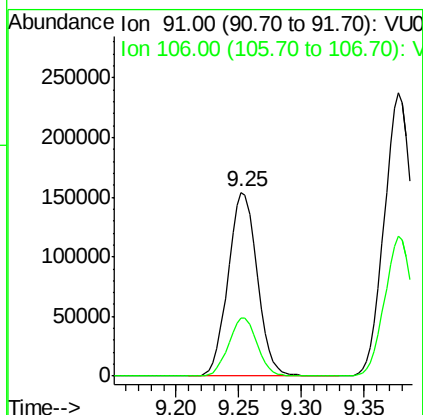
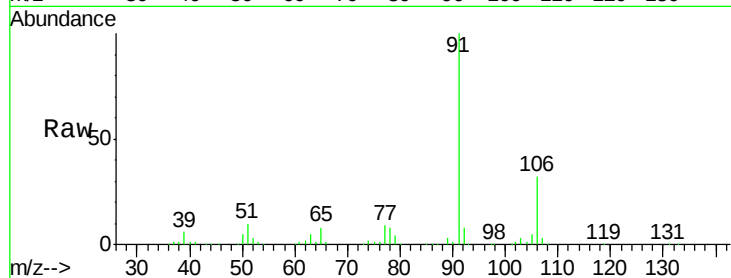




#67
Ethyl Benzene
Concen: 21.898 ug/l
RT: 9.25 min Scan# 2694
Delta R.T. -0.00 min
Lab File: VU025083.D
Acq: 30 Jun 2018 13:08

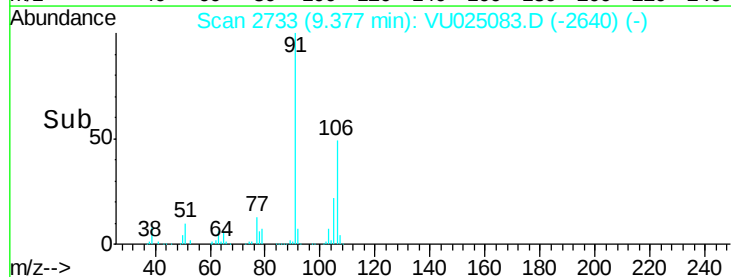
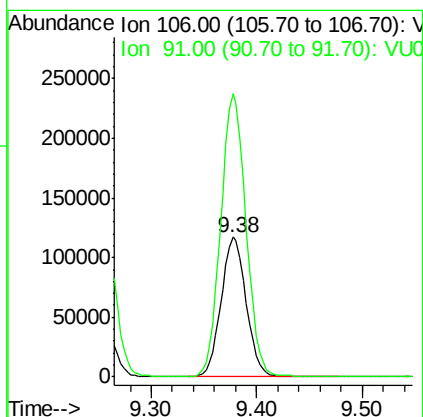
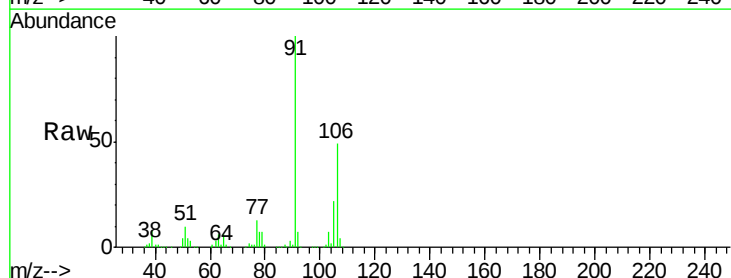
Instrument :
MSVOA_U
ClientSampleId :
VU0630MBS01

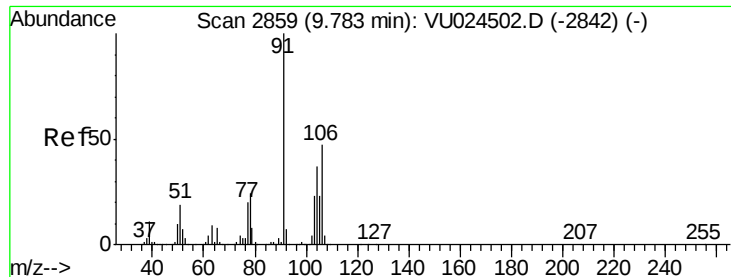
Tgt Ion: 91 Resp: 249190
Ion Ratio Lower Upper
91 100
106 31.6 24.2 36.4



#68
m/p-Xylenes
Concen: 44.101 ug/l
RT: 9.38 min Scan# 2733
Delta R.T. -0.00 min
Lab File: VU025083.D
Acq: 30 Jun 2018 13:08

Tgt Ion: 106 Resp: 192708
Ion Ratio Lower Upper
106 100
91 202.5 166.5 249.7

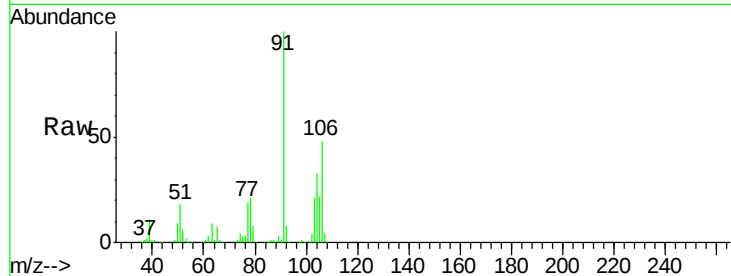




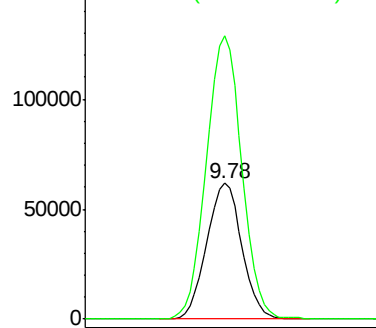
#69
o-Xylene
Concen: 22.525 ug/l
RT: 9.78 min Scan# 2859
Delta R.T. -0.00 min
Lab File: VU025083.D
Acq: 30 Jun 2018 13:08

Instrument :
MSVOA_U
ClientSampleId :
VU0630MBS01

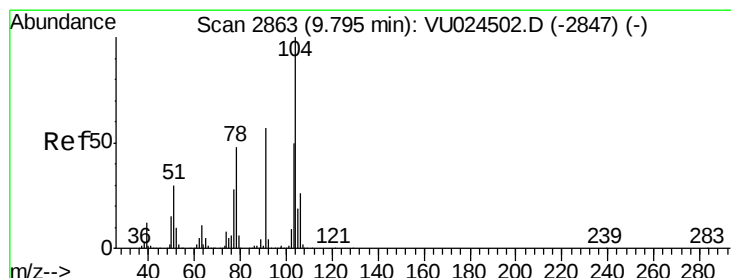
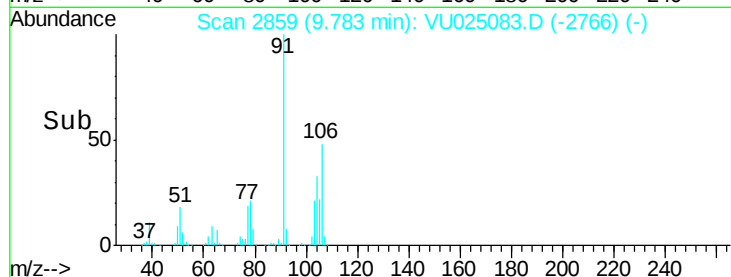
Tgt Ion:106 Resp: 97409
Ion Ratio Lower Upper
106 100
91 210.3 110.7 331.9



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

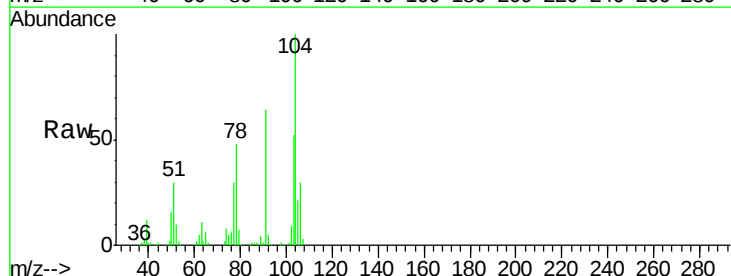


Time--> 9.70 9.75 9.80 9.85

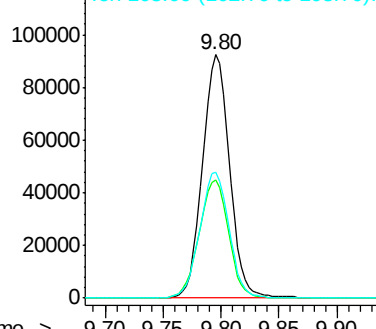


#70
Styrene
Concen: 20.967 ug/l
RT: 9.80 min Scan# 2863
Delta R.T. -0.00 min
Lab File: VU025083.D
Acq: 30 Jun 2018 13:08

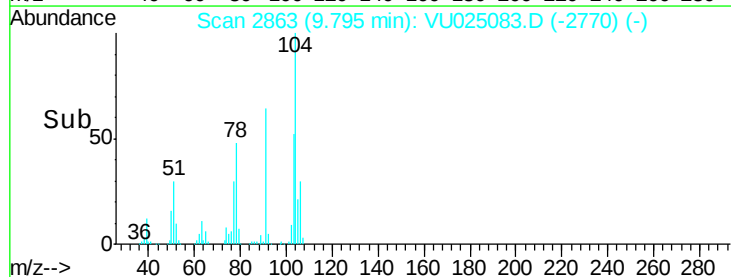
Tgt Ion:104 Resp: 149005
Ion Ratio Lower Upper
104 100
78 52.8 40.6 60.8
103 55.9 44.7 67.1

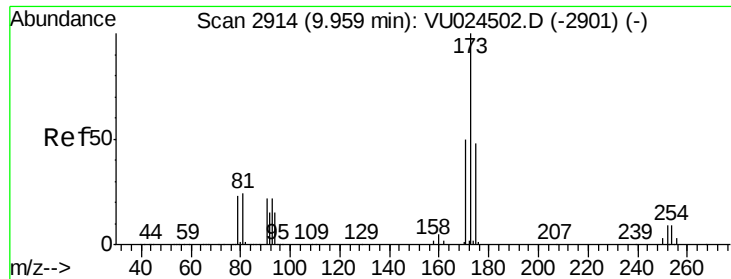


Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VU0
Ion 103.00 (102.70 to 103.70): V



Time--> 9.70 9.75 9.80 9.85 9.90





#71

Bromoform

Concen: 18.955 ug/l

RT: 9.96 min Scan# 2915

Delta R.T. 0.00 min

Lab File: VU025083.D

Acq: 30 Jun 2018 13:08

Instrument :

MSVOA_U

ClientSampleId :

VU0630MBS01

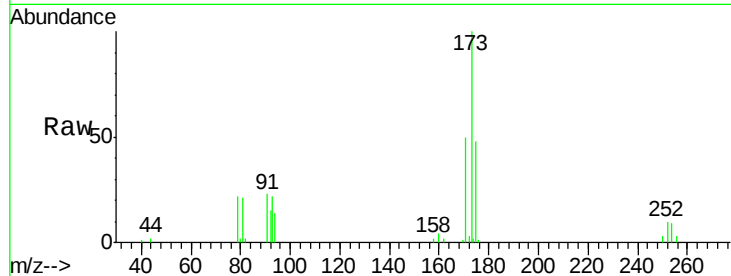
Tgt Ion:173 Resp: 44430

Ion Ratio Lower Upper

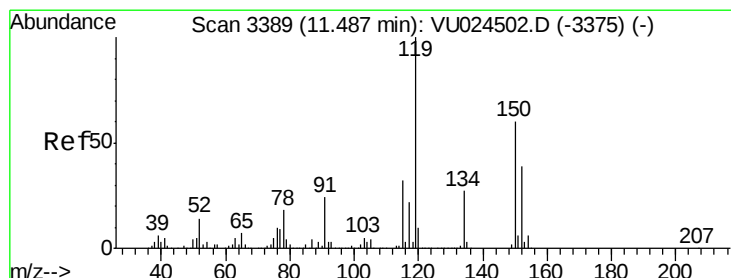
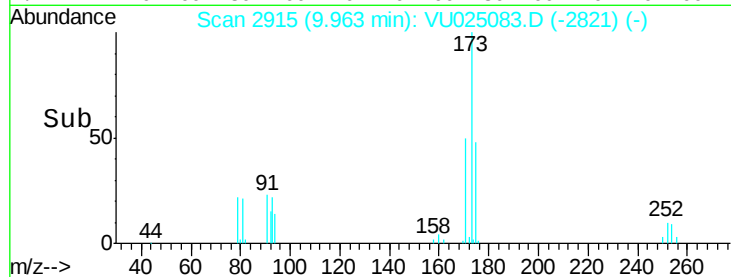
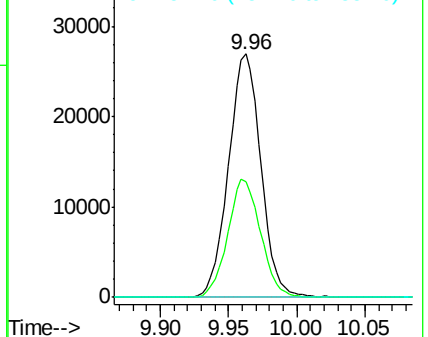
173 100

175 48.9 24.6 74.0

254 0.0 0.0 0.0



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.49 min Scan# 3389

Delta R.T. -0.00 min

Lab File: VU025083.D

Acq: 30 Jun 2018 13:08

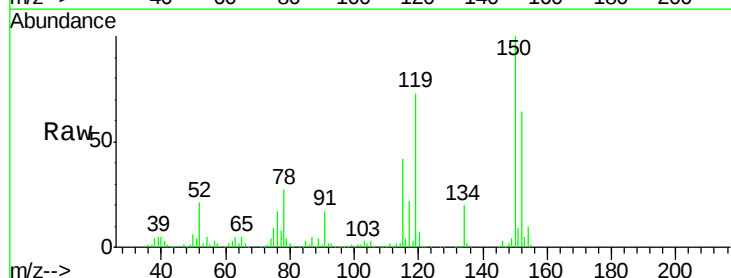
Tgt Ion:152 Resp: 146571

Ion Ratio Lower Upper

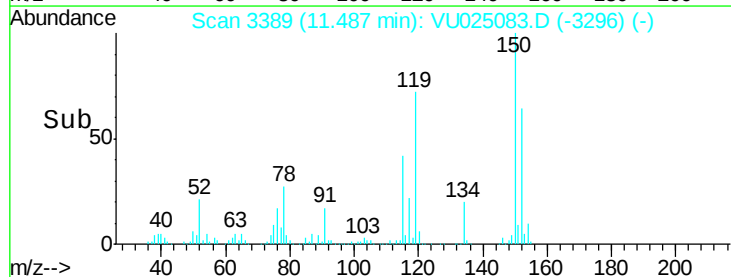
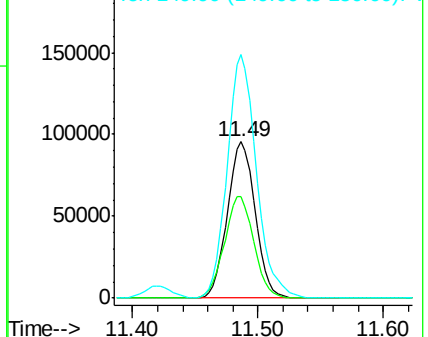
152 100

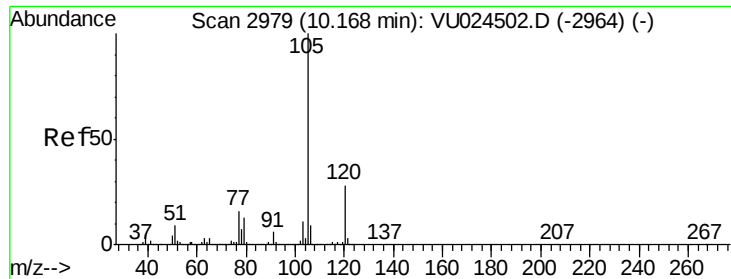
115 68.8 43.0 129.0

150 163.6 0.0 354.0



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: 22.654 ug/l

RT: 10.17 min Scan# 2979

Delta R.T. -0.00 min

Lab File: VU025083.D

Acq: 30 Jun 2018 13:08

Instrument :

MSVOA_U

ClientSampleId :

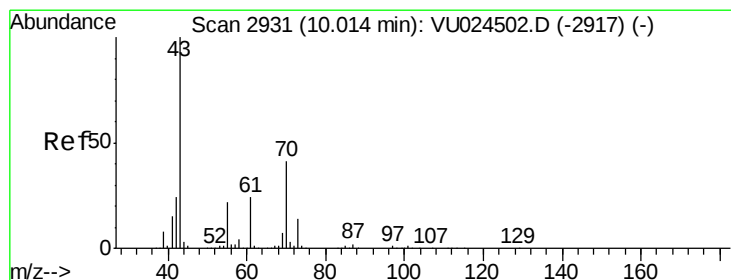
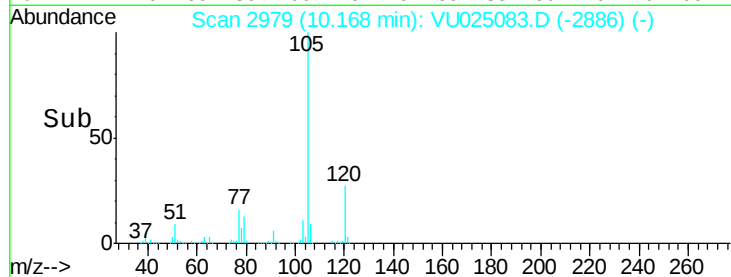
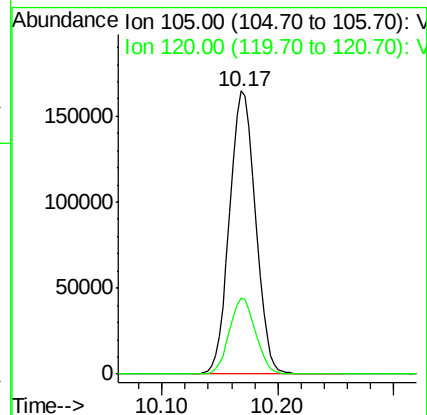
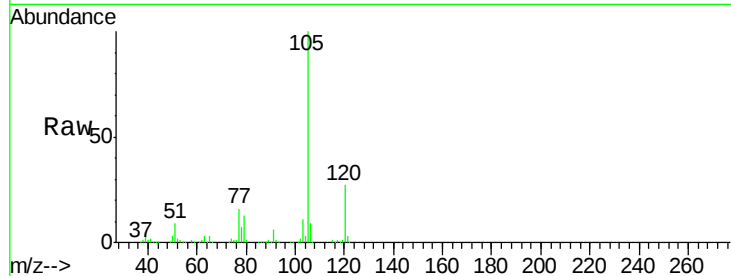
VU0630MBS01

Tgt Ion: 105 Resp: 254924

Ion Ratio Lower Upper

105 100

120 26.9 13.2 39.6



#74

N-ethyl acetate

Concen: 19.742 ug/l

RT: 10.01 min Scan# 2931

Delta R.T. -0.00 min

Lab File: VU025083.D

Acq: 30 Jun 2018 13:08

Tgt Ion: 43 Resp: 105669

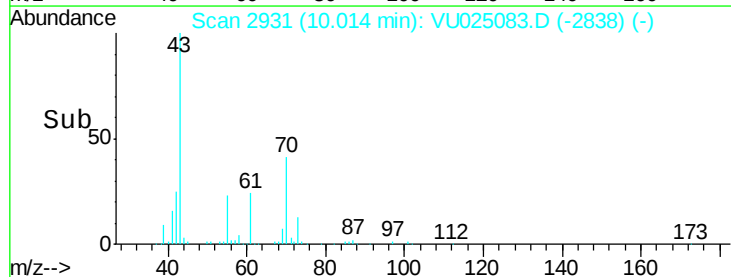
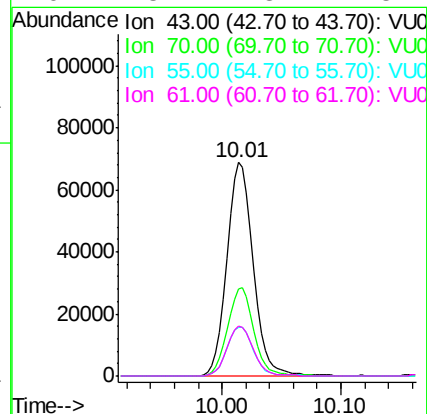
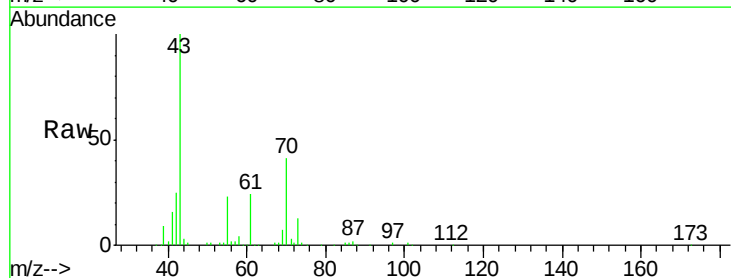
Ion Ratio Lower Upper

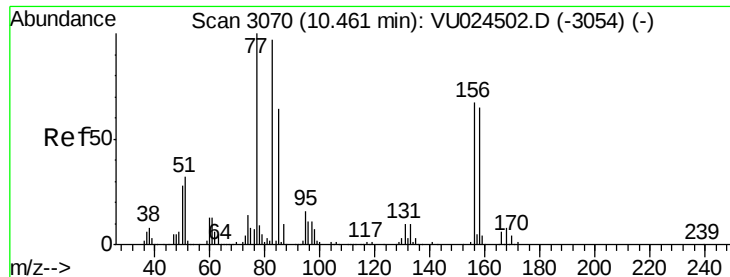
43 100

70 41.3 32.2 48.4

55 23.3 20.5 30.7

61 23.4 18.7 28.1





#75

1,1,2,2-Tetrachloroethane

Concen: 22.506 ug/l

RT: 10.46 min Scan# 3070

Delta R.T. -0.00 min

Lab File: VU025083.D

Acq: 30 Jun 2018 13:08

Instrument :

MSVOA_U

ClientSampleId :

VU0630MBS01

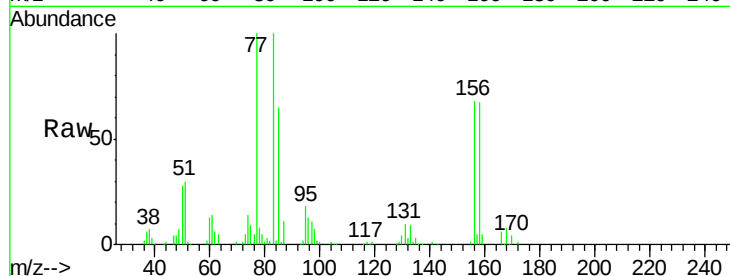
Tgt Ion: 83 Resp: 84869

Ion Ratio Lower Upper

83 100

131 10.3 4.7 14.1

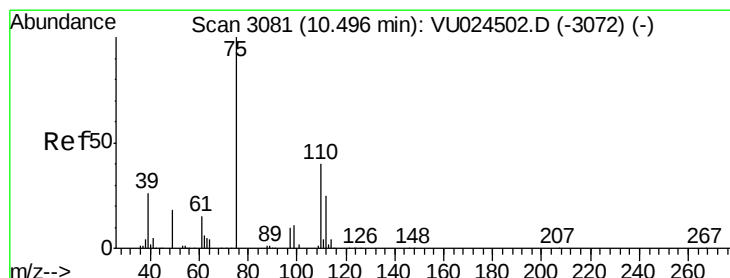
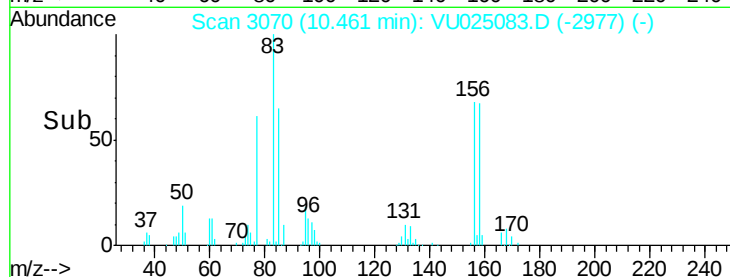
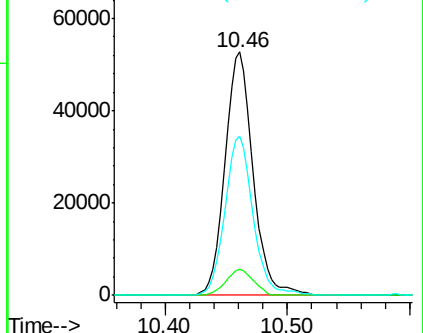
85 65.7 32.5 97.5



Abundance Ion 82.90 (82.60 to 83.60): VU0

Ion 130.80 (130.50 to 131.50): VU0

Ion 84.90 (84.60 to 85.60): VU0



#76

1,2,3-Trichloropropane

Concen: 30.795 ug/l

RT: 10.50 min Scan# 3081

Delta R.T. -0.00 min

Lab File: VU025083.D

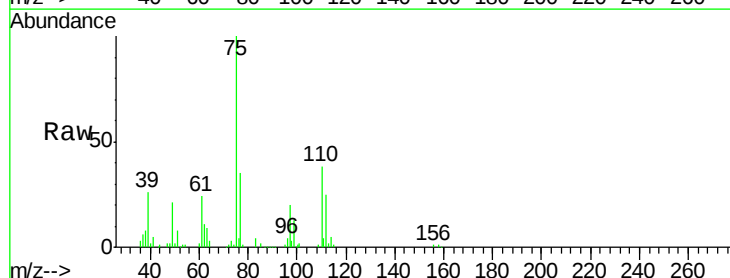
Acq: 30 Jun 2018 13:08

Tgt Ion: 75 Resp: 99373

Ion Ratio Lower Upper

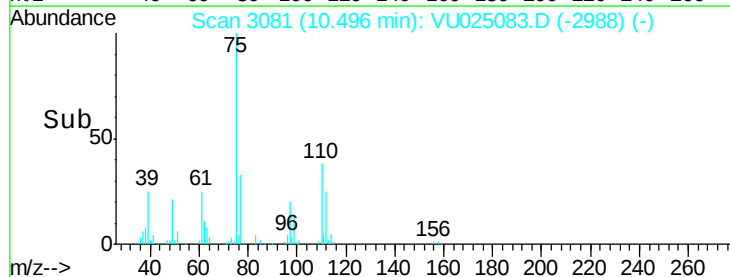
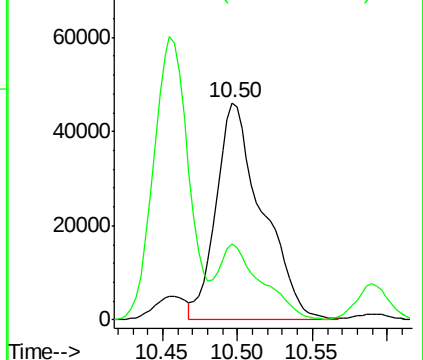
75 100

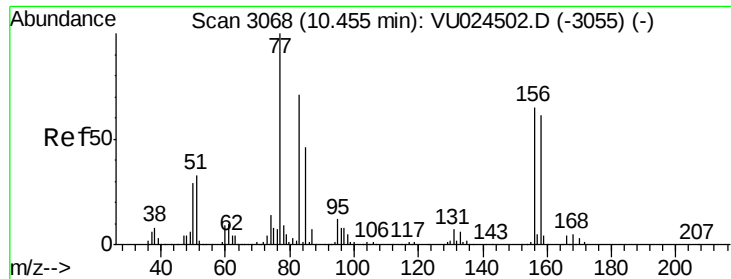
77 31.5 20.9 62.7



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 77.00 (76.70 to 77.70): VU0





#77

Bromobenzene

Concen: 22.532 ug/l

RT: 10.46 min Scan# 3069

Delta R.T. 0.00 min

Lab File: VU025083.D

Acq: 30 Jun 2018 13:08

Instrument :

MSVOA_U

ClientSampleId :

VU0630MBS01

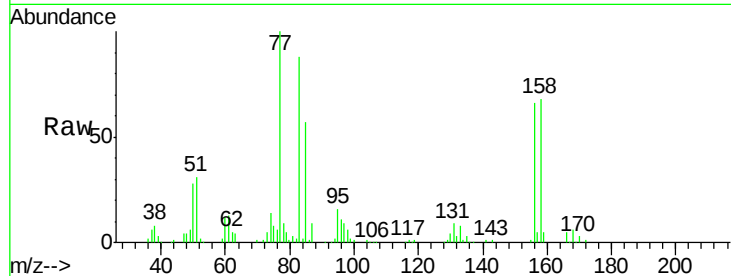
Tgt Ion:156 Resp: 64190

Ion Ratio Lower Upper

156 100

77 151.1 80.5 241.3

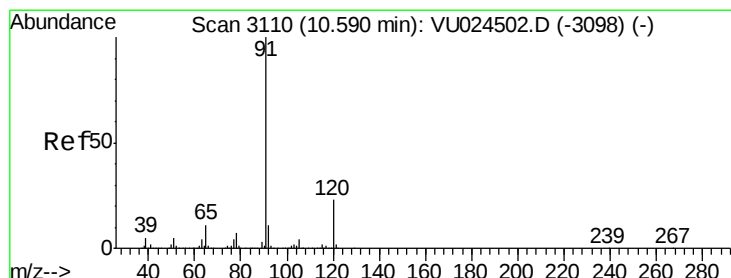
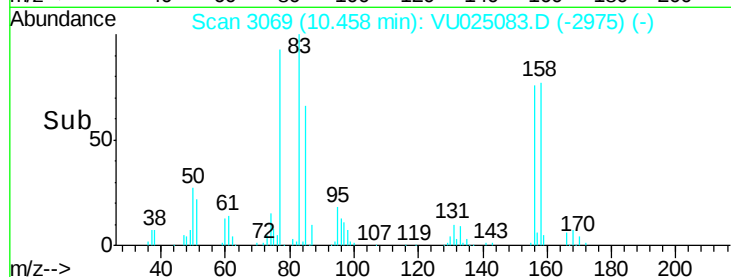
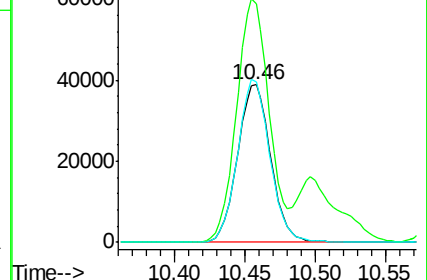
158 100.5 48.2 144.6



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: 21.518 ug/l

RT: 10.59 min Scan# 3110

Delta R.T. -0.00 min

Lab File: VU025083.D

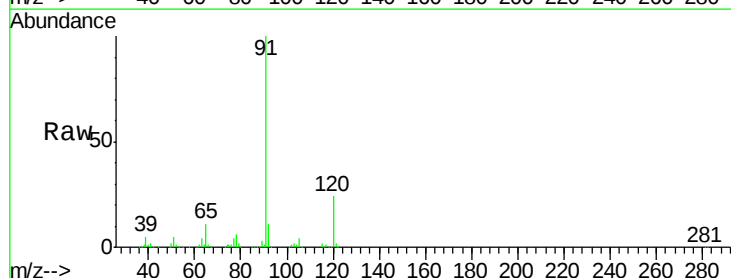
Acq: 30 Jun 2018 13:08

Tgt Ion: 91 Resp: 285245

Ion Ratio Lower Upper

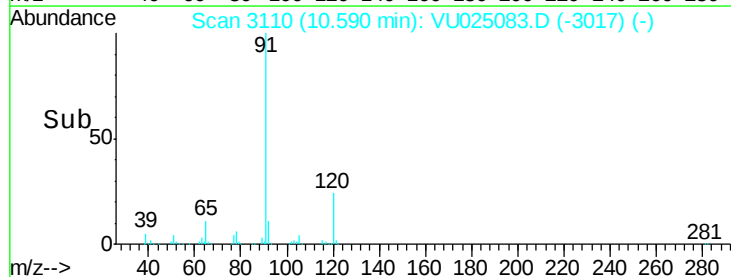
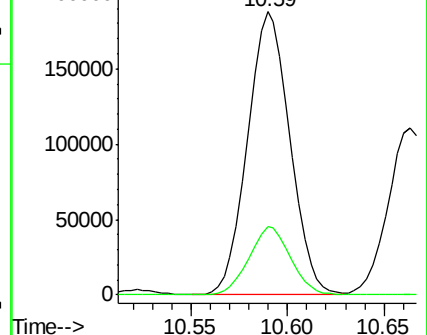
91 100

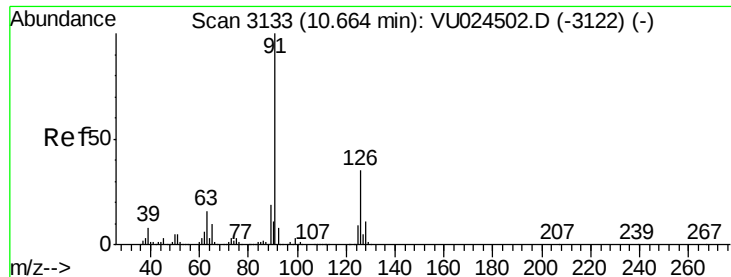
120 23.8 11.2 33.5



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 22.416 ug/l

RT: 10.66 min Scan# 3133

Delta R.T. -0.00 min

Lab File: VU025083.D

Acq: 30 Jun 2018 13:08

Instrument :

MSVOA_U

ClientSampleId :

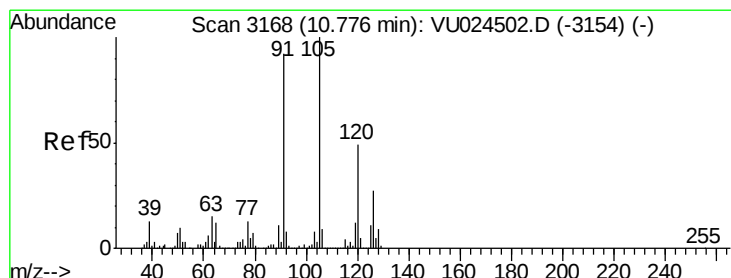
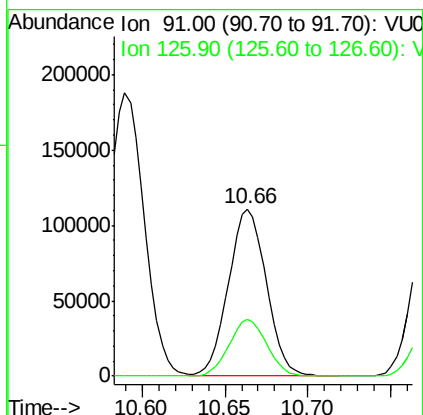
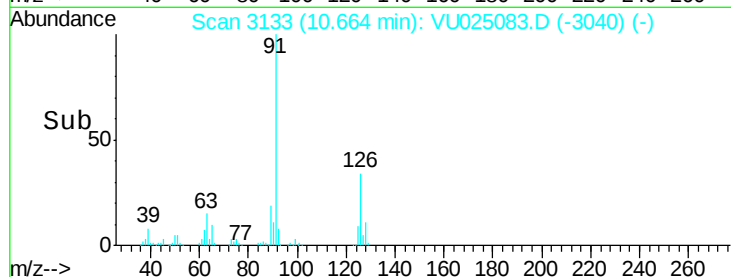
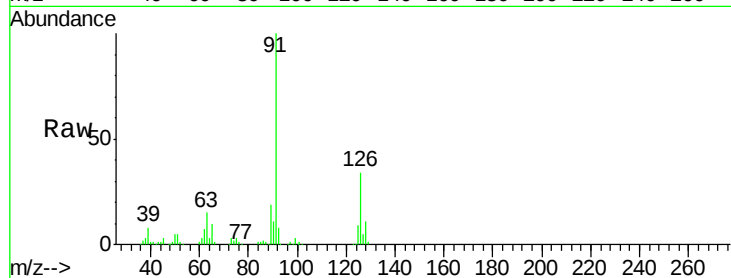
VU0630MBS01

Tgt Ion: 91 Resp: 175230

Ion Ratio Lower Upper

91 100

126 34.1 16.9 50.7



#80

1,3,5-Trimethylbenzene

Concen: 22.436 ug/l

RT: 10.78 min Scan# 3168

Delta R.T. -0.00 min

Lab File: VU025083.D

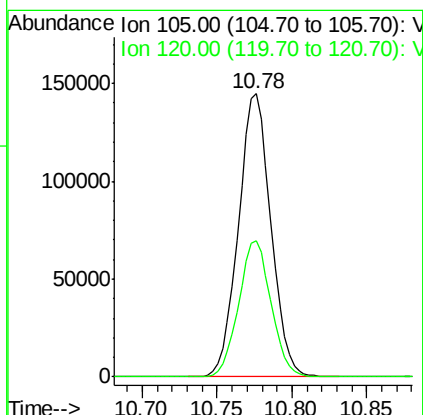
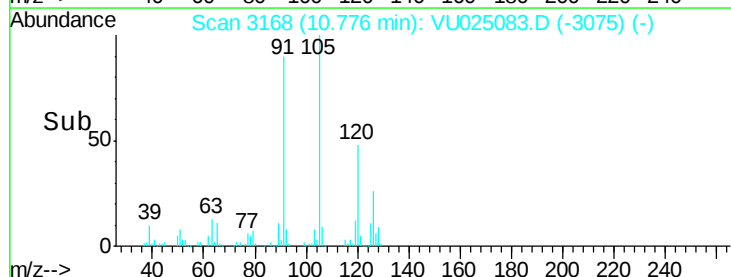
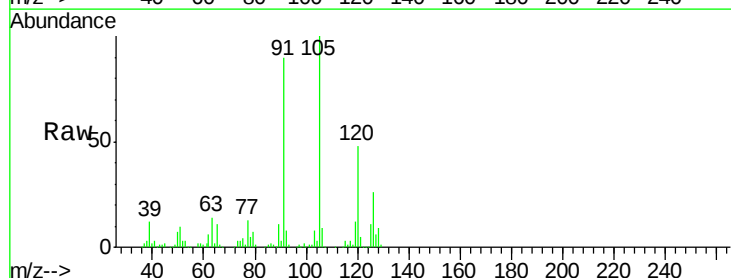
Acq: 30 Jun 2018 13:08

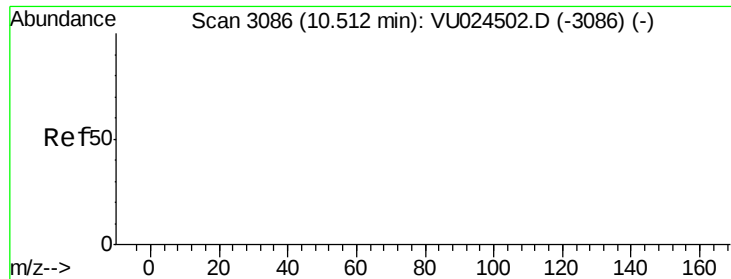
Tgt Ion: 105 Resp: 218830

Ion Ratio Lower Upper

105 100

120 48.0 24.1 72.2

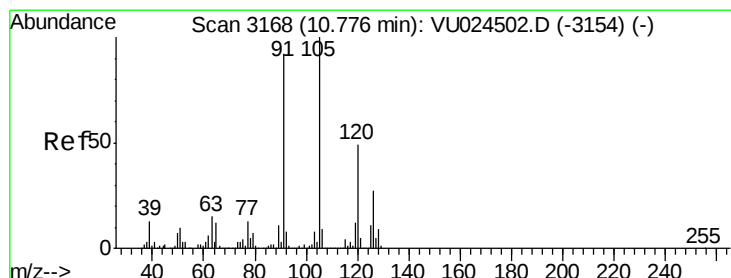
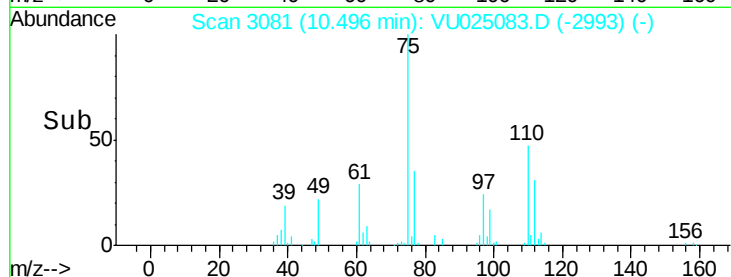
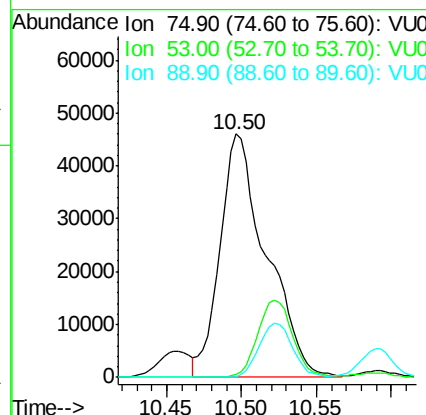
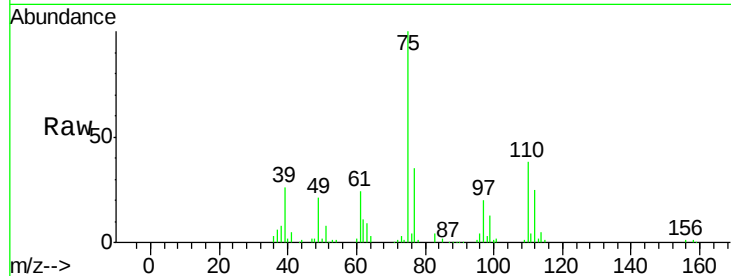




#81
trans-1,4-Dichloro-2-butene
Concen: 71.272 ug/l
RT: 10.50 min Scan# 3081
Delta R.T. -0.02 min
Lab File: VU025083.D
Acq: 30 Jun 2018 13:08

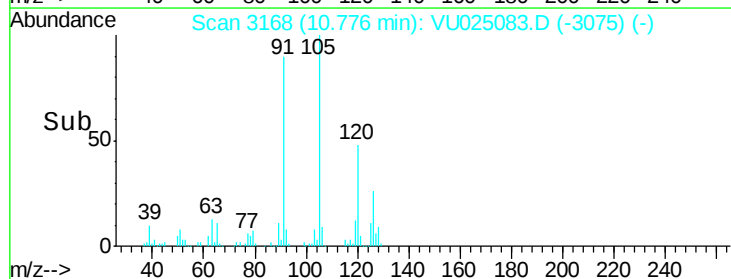
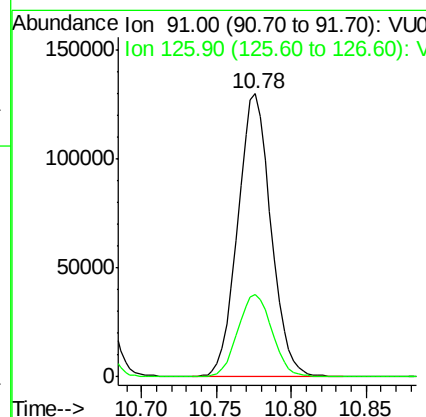
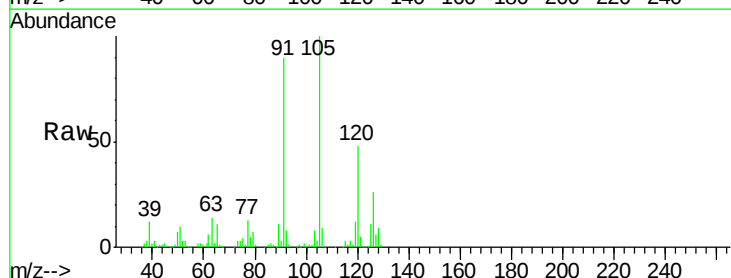
Instrument :
MSVOA_U
ClientSampleId :
VU0630MBS01

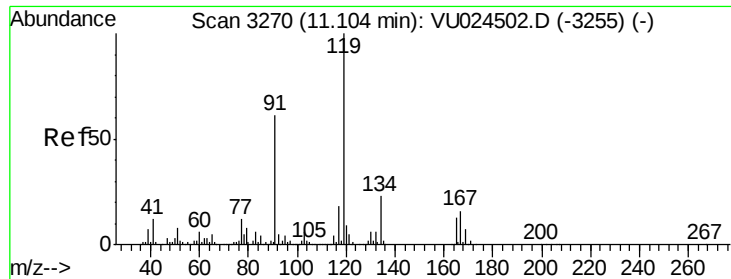
Tgt Ion: 75 Resp: 99373
Ion Ratio Lower Upper
75 100
53 0.0 0.0 0.0
89 0.0 0.0 0.0



#82
4-Chlorotoluene
Concen: 21.852 ug/l
RT: 10.78 min Scan# 3168
Delta R.T. -0.00 min
Lab File: VU025083.D
Acq: 30 Jun 2018 13:08

Tgt Ion: 91 Resp: 198824
Ion Ratio Lower Upper
91 100
126 30.6 14.9 44.9

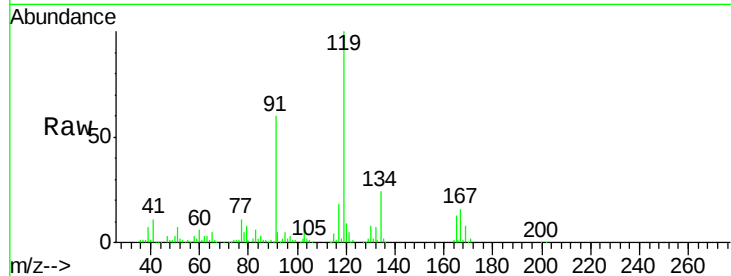




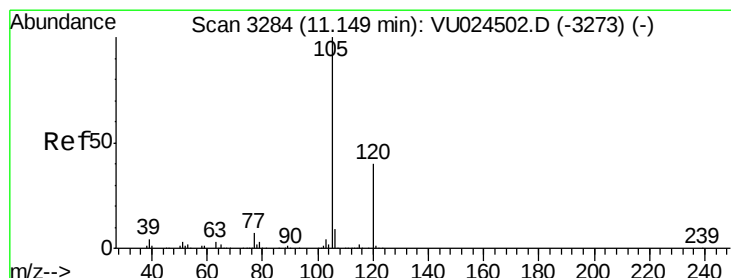
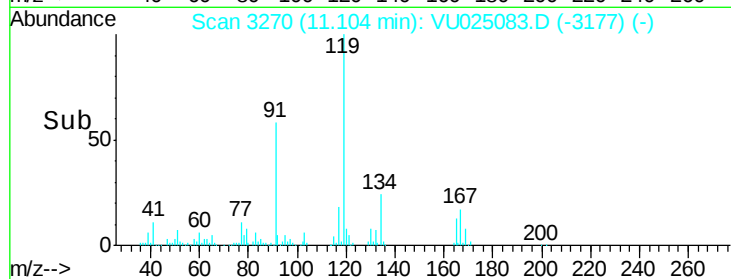
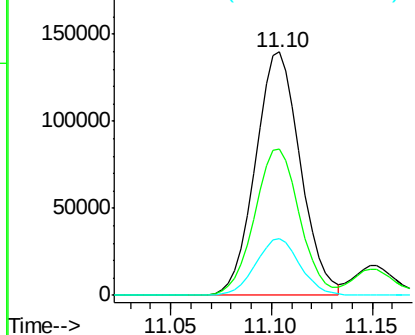
#83
 tert-Butylbenzene
 Concen: 23.195 ug/l
 RT: 11.10 min Scan# 3270
 Delta R.T. -0.00 min
 Lab File: VU025083.D
 Acq: 30 Jun 2018 13:08

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0630MBS01

Tgt Ion:119 Resp: 217623
 Ion Ratio Lower Upper
 119 100
 91 60.6 29.7 89.1
 134 22.9 11.6 34.7

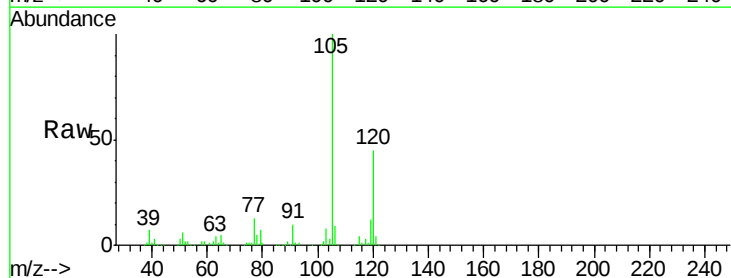


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

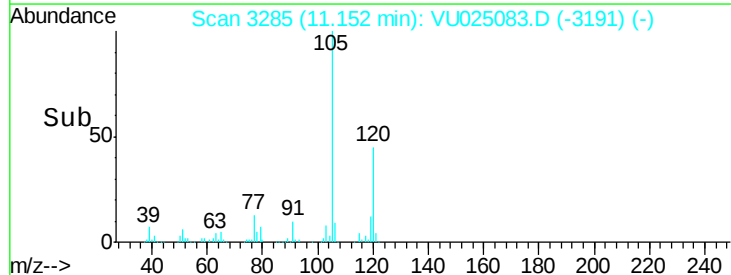
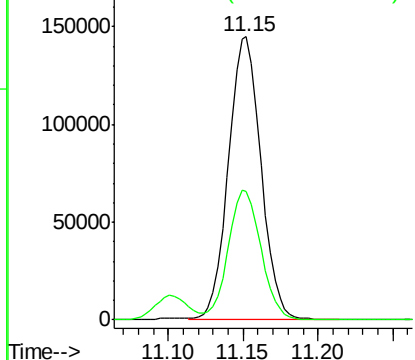


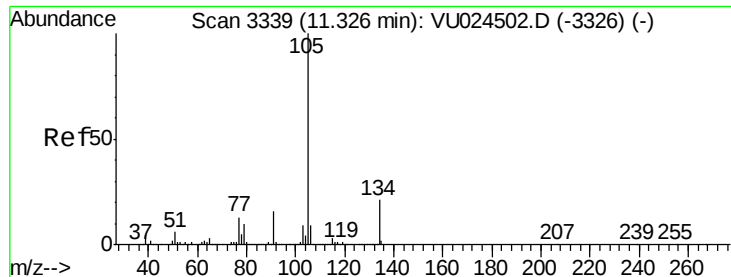
#84
 1,2,4-Trimethylbenzene
 Concen: 21.960 ug/l
 RT: 11.15 min Scan# 3285
 Delta R.T. 0.00 min
 Lab File: VU025083.D
 Acq: 30 Jun 2018 13:08

Tgt Ion:105 Resp: 218273
 Ion Ratio Lower Upper
 105 100
 120 46.3 22.6 67.8



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

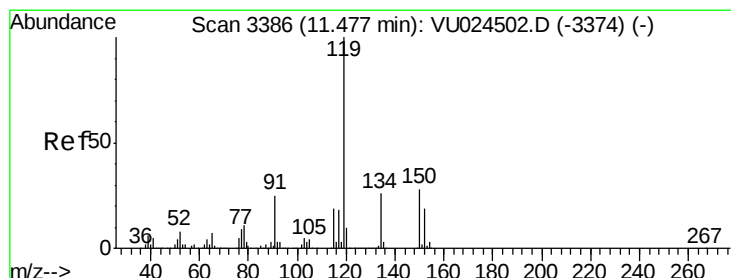
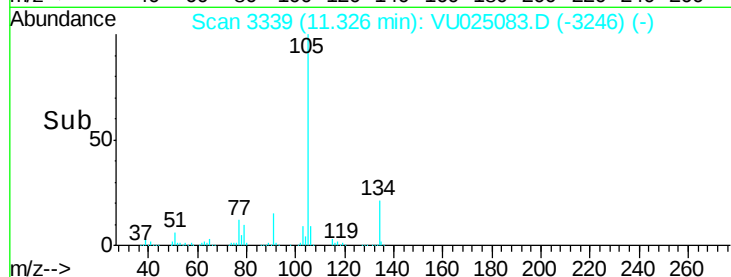
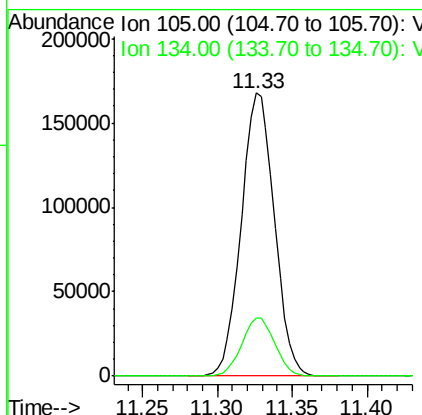
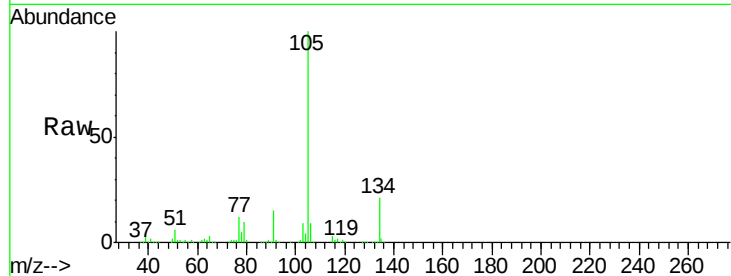




#85
 sec-Butylbenzene
 Concen: 22.017 ug/l
 RT: 11.33 min Scan# 3339
 Delta R.T. -0.00 min
 Lab File: VU025083.D
 Acq: 30 Jun 2018 13:08

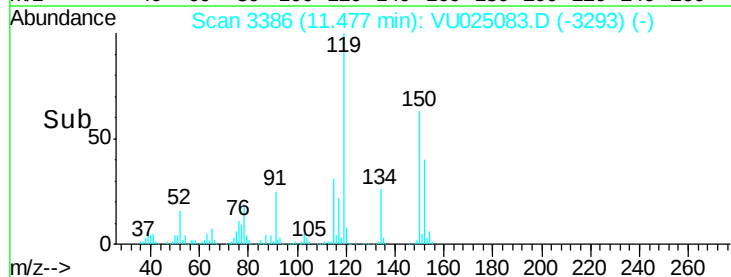
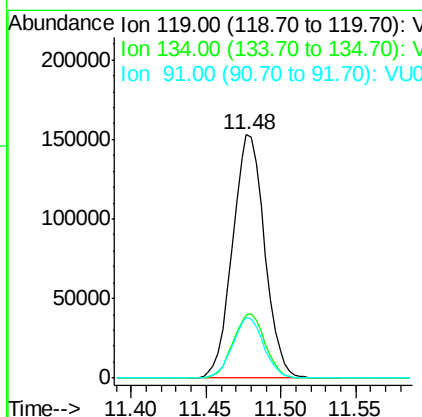
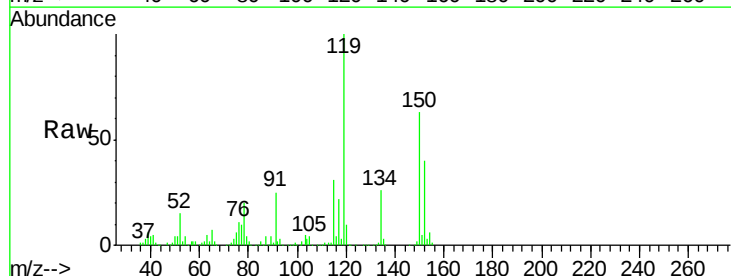
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0630MBS01

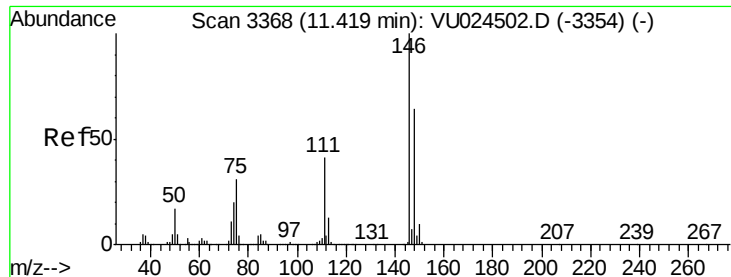
Tgt Ion:105 Resp: 258573
 Ion Ratio Lower Upper
 105 100
 134 20.6 9.7 29.1



#86
 p-Isopropyltoluene
 Concen: 21.742 ug/l
 RT: 11.48 min Scan# 3386
 Delta R.T. -0.00 min
 Lab File: VU025083.D
 Acq: 30 Jun 2018 13:08

Tgt Ion:119 Resp: 228684
 Ion Ratio Lower Upper
 119 100
 134 26.2 12.9 38.6
 91 24.3 12.0 36.1

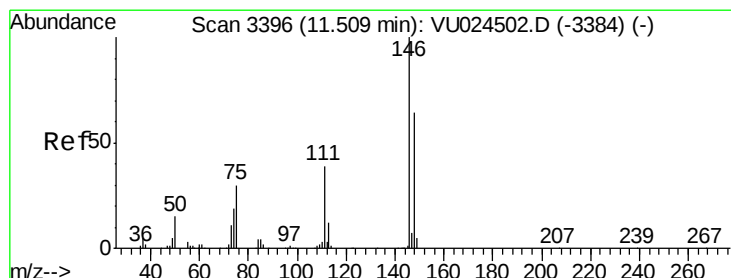
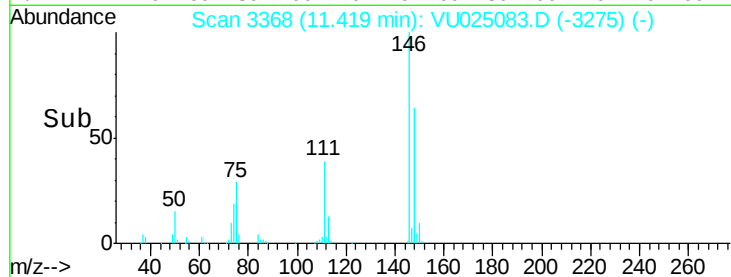
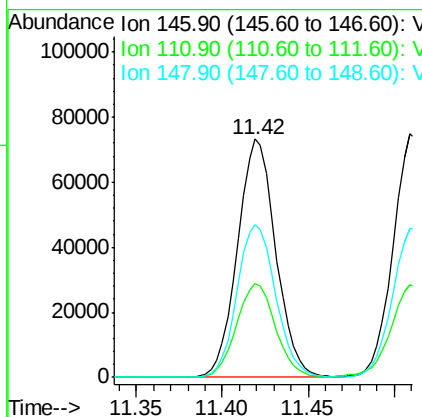
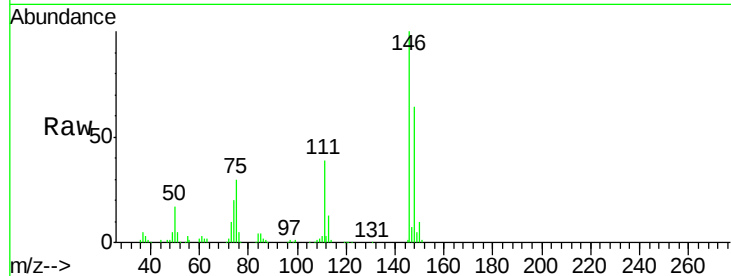




#87
 1,3-Dichlorobenzene
 Concen: 21.553 ug/l
 RT: 11.42 min Scan# 3368
 Delta R.T. -0.00 min
 Lab File: VU025083.D
 Acq: 30 Jun 2018 13:08

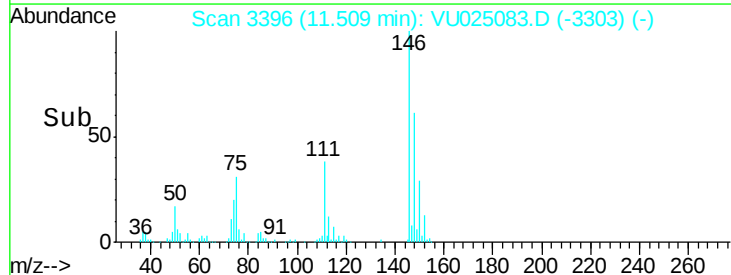
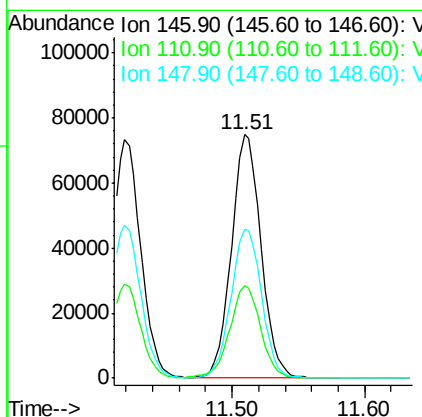
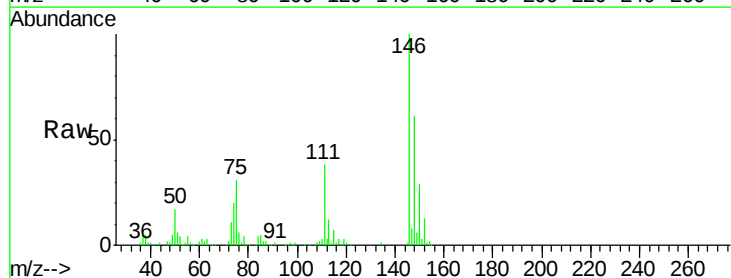
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0630MBS01

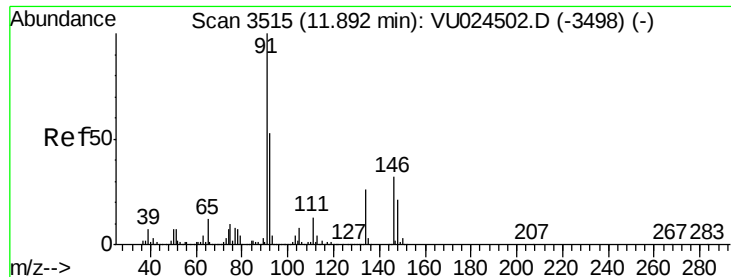
Tgt Ion:146 Resp: 113442
 Ion Ratio Lower Upper
 146 100
 111 40.2 20.0 60.0
 148 64.8 32.1 96.5



#88
 1,4-Dichlorobenzene
 Concen: 21.906 ug/l
 RT: 11.51 min Scan# 3396
 Delta R.T. -0.00 min
 Lab File: VU025083.D
 Acq: 30 Jun 2018 13:08

Tgt Ion:146 Resp: 116050
 Ion Ratio Lower Upper
 146 100
 111 39.7 19.5 58.5
 148 63.6 32.4 97.0





#89

n-Butylbenzene

Concen: 18.941 ug/l

RT: 11.89 min Scan# 3515

Delta R.T. -0.00 min

Lab File: VU025083.D

Acq: 30 Jun 2018 13:08

Instrument :

MSVOA_U

ClientSampleId :

VU0630MBS01

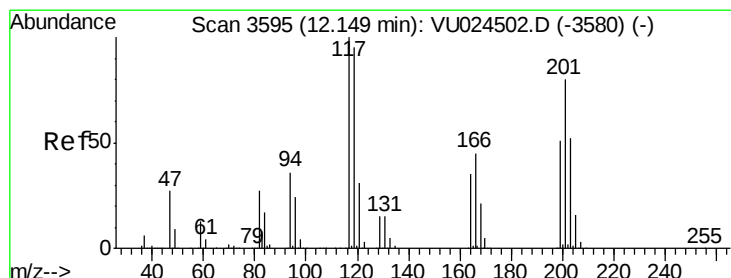
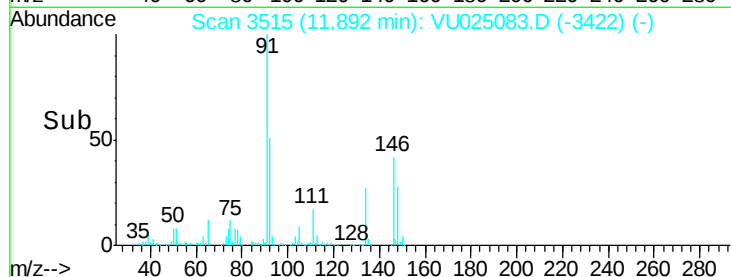
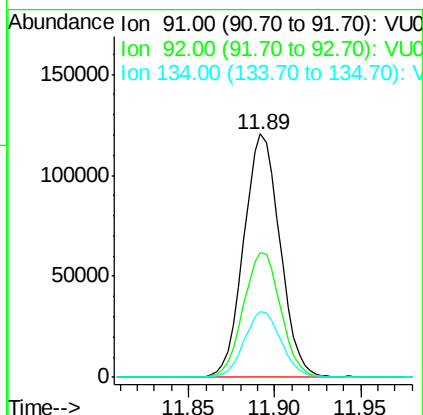
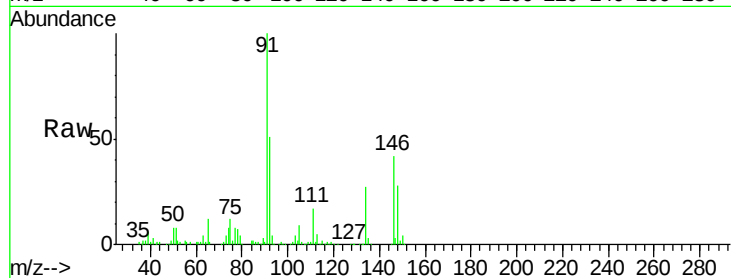
Tgt Ion: 91 Resp: 176878

Ion Ratio Lower Upper

91 100

92 52.7 25.6 76.8

134 27.4 12.3 36.8



#90

Hexachloroethane

Concen: 19.271 ug/l

RT: 12.15 min Scan# 3595

Delta R.T. -0.00 min

Lab File: VU025083.D

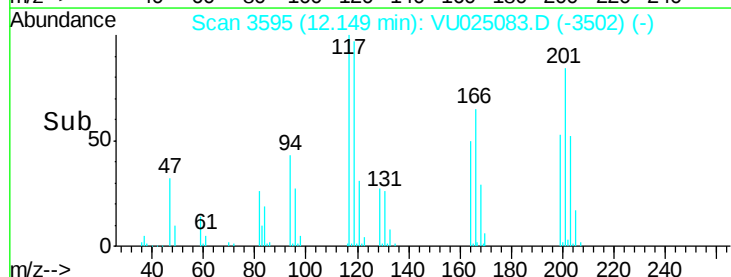
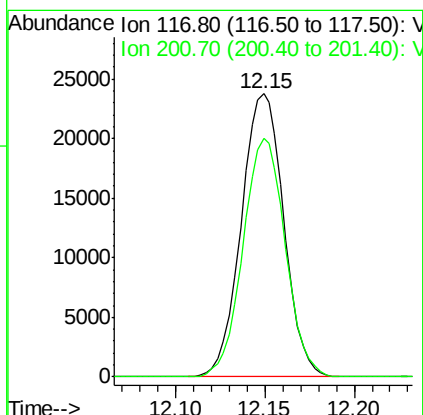
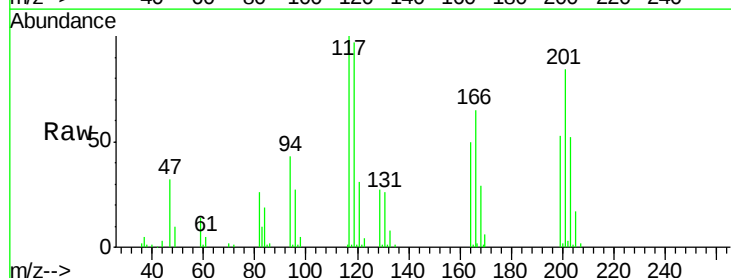
Acq: 30 Jun 2018 13:08

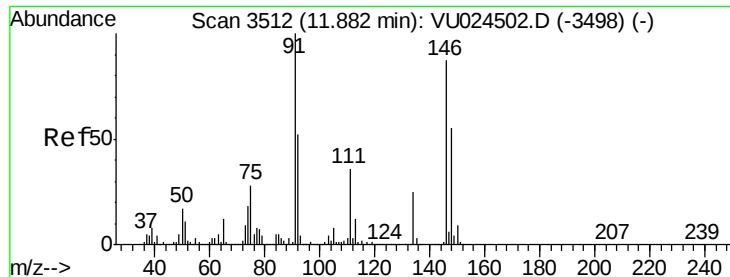
Tgt Ion: 117 Resp: 39542

Ion Ratio Lower Upper

117 100

201 83.7 41.1 123.3





#91

1,2-Dichlorobenzene

Concen: 22.762 ug/l

RT: 11.88 min Scan# 3512

Delta R.T. -0.00 min

Lab File: VU025083.D

Acq: 30 Jun 2018 13:08

Instrument :

MSVOA_U

ClientSampleId :

VU0630MBS01

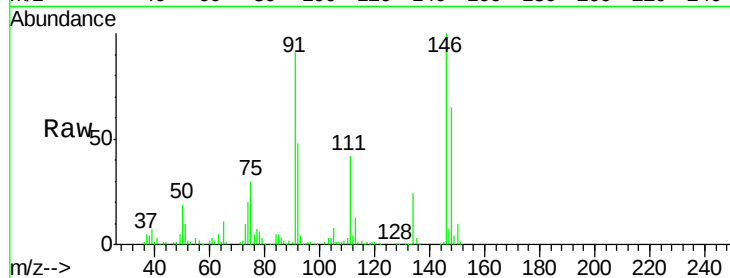
Tgt Ion: 146 Resp: 119998

Ion Ratio Lower Upper

146 100

111 41.7 20.5 61.6

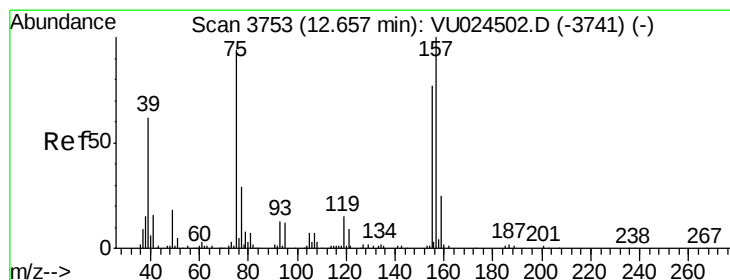
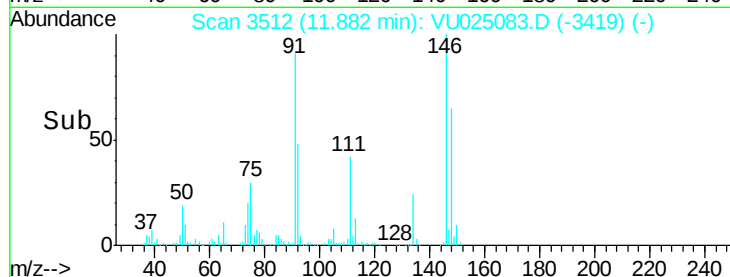
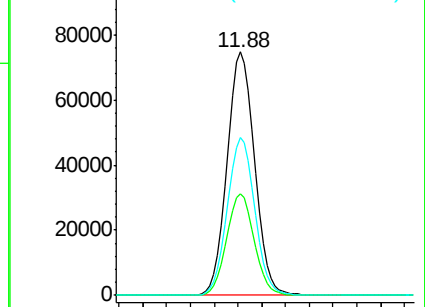
148 64.7 31.9 95.7



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 20.569 ug/l

RT: 12.66 min Scan# 3754

Delta R.T. 0.00 min

Lab File: VU025083.D

Acq: 30 Jun 2018 13:08

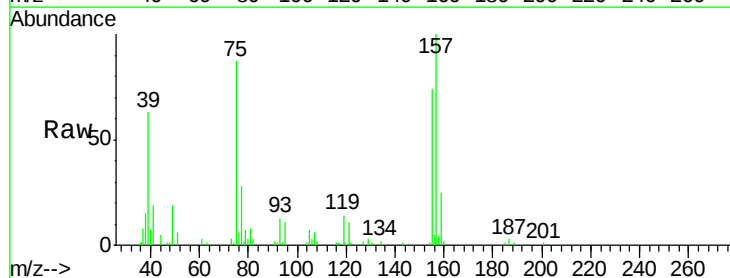
Tgt Ion: 75 Resp: 21402

Ion Ratio Lower Upper

75 100

155 84.4 40.4 121.2

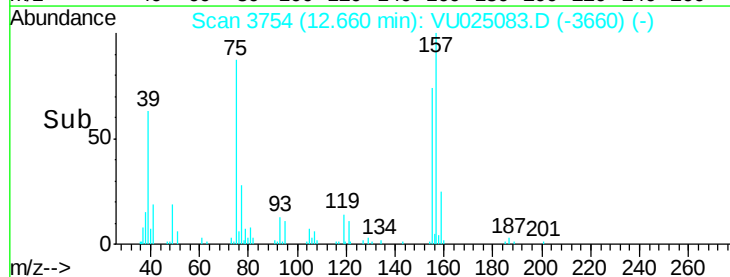
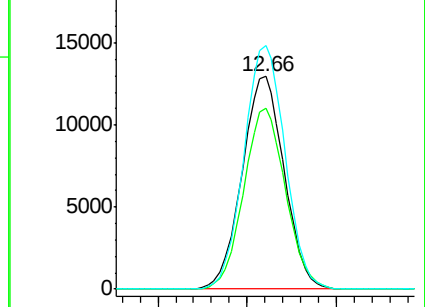
157 112.1 52.3 156.8

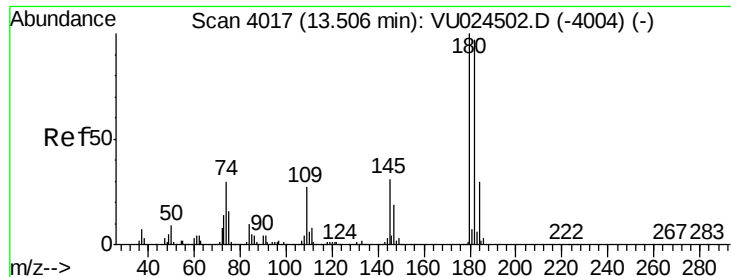


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

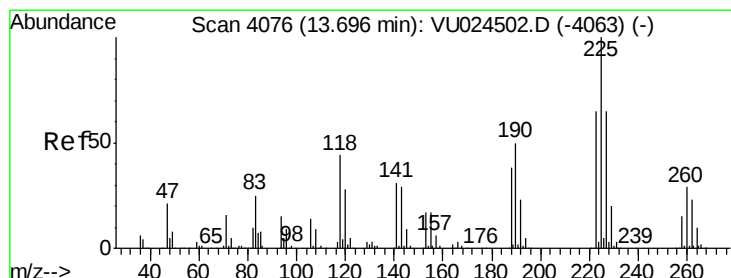
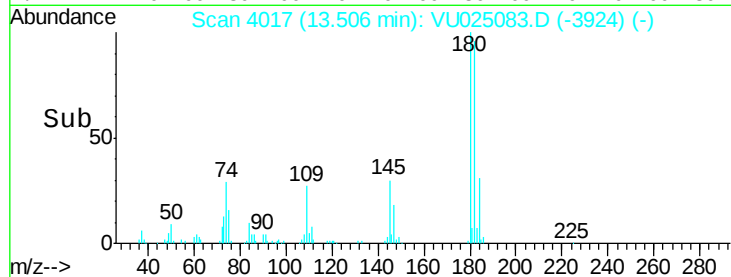
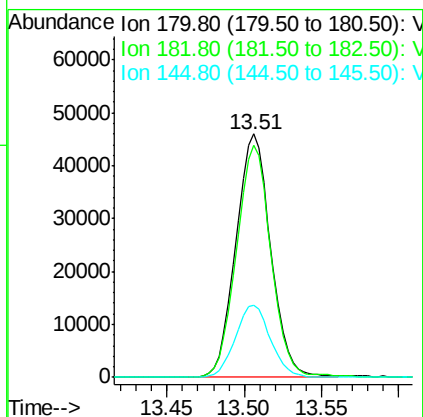
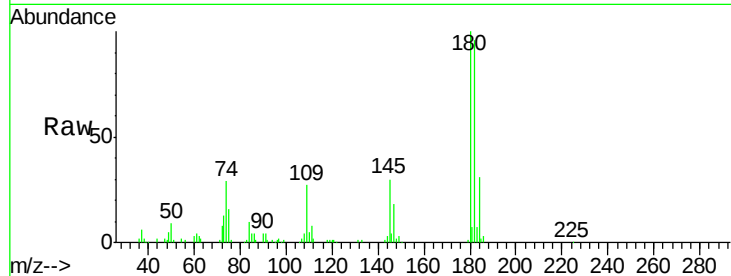




#93
 1,2,4-Trichlorobenzene
 Concen: 22.049 ug/l
 RT: 13.51 min Scan# 4017
 Delta R.T. -0.00 min
 Lab File: VU025083.D
 Acq: 30 Jun 2018 13:08

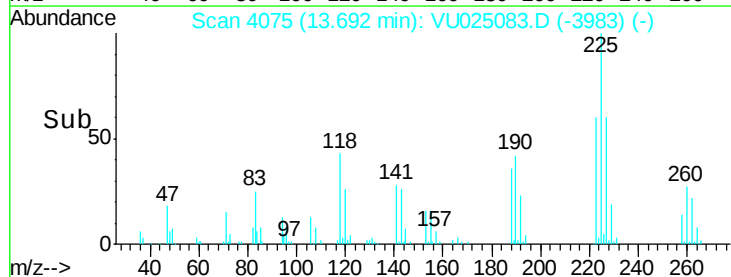
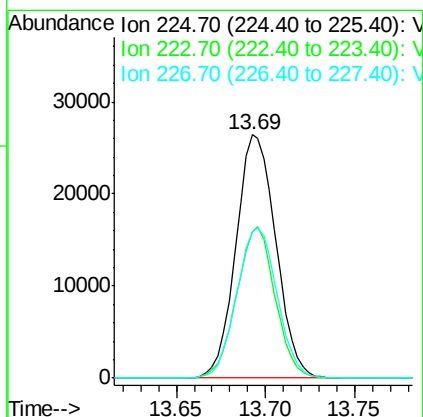
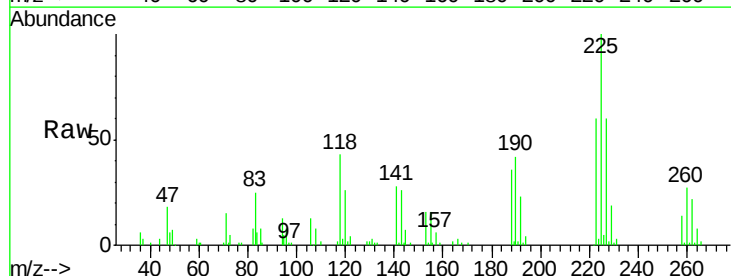
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0630MBS01

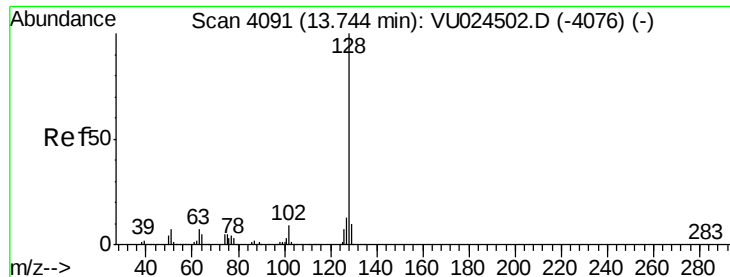
Tgt Ion:180 Resp: 71781
 Ion Ratio Lower Upper
 180 100
 182 94.1 48.0 144.2
 145 29.9 14.7 44.1



#94
 Hexachlorobutadiene
 Concen: 22.500 ug/l
 RT: 13.69 min Scan# 4075
 Delta R.T. -0.00 min
 Lab File: VU025083.D
 Acq: 30 Jun 2018 13:08

Tgt Ion:225 Resp: 41228
 Ion Ratio Lower Upper
 225 100
 223 60.1 31.3 93.8
 227 62.5 31.8 95.4





#95

Naphthalene

Concen: 22.903 ug/l

RT: 13.74 min Scan# 4091

Delta R.T. 0.00 min

Lab File: VU025083.D

Acq: 30 Jun 2018 13:08

Instrument :

MSVOA_U

ClientSampleId :

VU0630MBS01

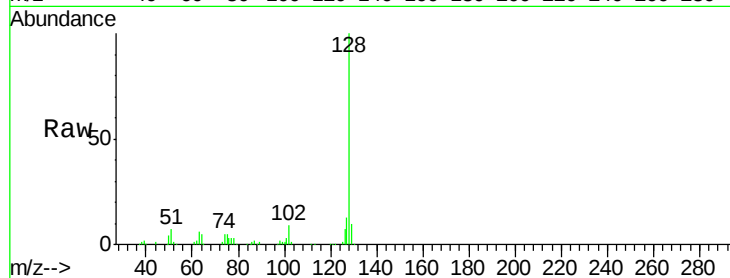
Tgt Ion:128 Resp: 242813

Ion Ratio Lower Upper

128 100

127 12.7 10.6 16.0

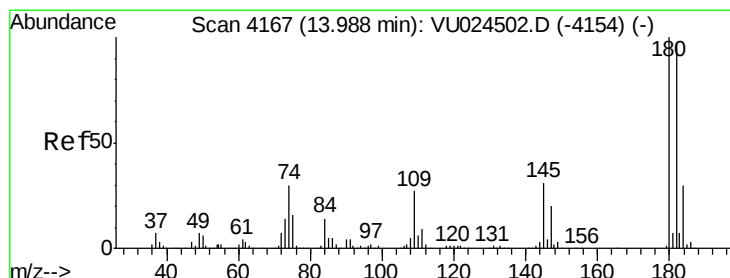
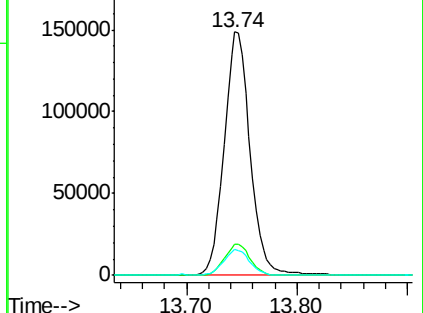
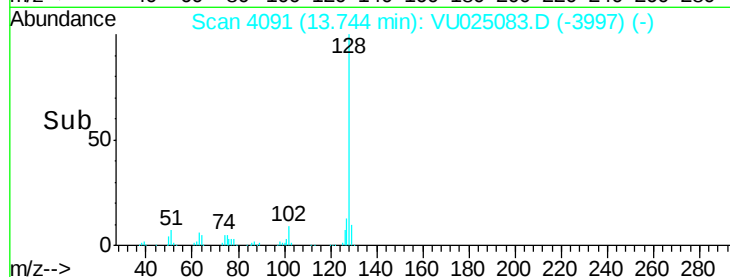
129 10.5 8.6 12.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 24.144 ug/l

RT: 13.99 min Scan# 4168

Delta R.T. 0.00 min

Lab File: VU025083.D

Acq: 30 Jun 2018 13:08

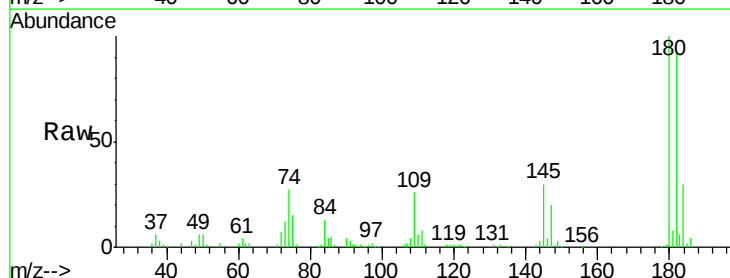
Tgt Ion:180 Resp: 78320

Ion Ratio Lower Upper

180 100

182 91.8 47.9 143.7

145 30.8 15.4 46.1



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

