

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU080318\
 Data File : VU025814.D
 Acq On : 03 Aug 2018 12:50
 Operator : MD/SY
 Sample : VU0803WBS01
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0803WBS01

Quant Time: Aug 04 05:31:03 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\524U072518DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Fri Jul 27 15:10:58 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	5.74	96	32537	1.00	ug/l	0.00

System Monitoring Compounds

57) 4-Bromofluorobenzene	10.31	95	12212	1.01	ug/l	0.00
Spiked Amount 1.000			Recovery	=	101.00%	
68) 1,2-Dichlorobenzene-d4	11.86	152	12396	0.93	ug/l	0.00
Spiked Amount 1.000			Recovery	=	93.00%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.21	85	23146	1.995 ug/l	97
3) Chloromethane	1.33	50	21442	1.955 ug/l	100
4) Vinyl Chloride	1.40	62	20552	2.024 ug/l	100
5) Bromomethane	1.63	94	10945	2.213 ug/l	99
6) Chloroethane	1.70	64	12302	2.019 ug/l	99
7) Trichlorofluoromethane	1.89	101	31853	2.151 ug/l	97
8) 1,1,2-Trichloro-1,2,2-trif	2.29	101	17251	2.122 ug/l	97
9) 1,1-Dichloroethene	2.29	96	14732	2.054 ug/l	97
10) Iodomethane	2.41	142	8063	1.895 ug/l	96
11) Allyl Chloride	2.59	41	25067	2.090 ug/l	84
12) Acrylonitrile	2.94	53	6324	3.999 ug/l	98
13) Acetone	2.33	43	14060	10.223 ug/l	98
14) Carbon Disulfide	2.48	76	50058	2.040 ug/l	99
15) Methylene Chloride	2.70	84	18502	2.164 ug/l	95
16) trans-1,2-Dichloroethene	2.98	96	16951	2.108 ug/l	95
17) 1,1-Dichloroethane	3.45	63	30419	1.907 ug/l	97
18) 2-Butanone	4.29	43	23683	9.923 ug/l	99
19) Cyclohexane	5.00	56	23617	1.920 ug/l	87
20) Methylcyclohexane	6.42	83	28214	1.870 ug/l	94
21) 2,2-Dichloropropane	4.23	77	33141	2.179 ug/l	98
22) cis-1,2-Dichloroethene	4.23	96	20805	2.055 ug/l	95
23) Diethyl Ether	2.10	59	11272	2.075 ug/l	97
24) tert-Butyl Alcohol	2.86	59	14846	23.262 ug/l #	83
25) Methyl tert-Butyl Ether	3.01	73	38419	1.980 ug/l #	88
26) Bromochloromethane	4.55	128	8864	1.988 ug/l	85
27) Chloroform	4.68	83	36857	2.102 ug/l	99
28) 1,1,1-Trichloroethane	4.91	97	32790	2.074 ug/l	98
29) 1,1-Dichloropropene	5.13	75	25870	1.995 ug/l	96
30) Carbon Tetrachloride	5.13	117	28657	1.996 ug/l	99
31) Isopropyl Ether	3.58	45	52985	2.073 ug/l	92
32) Ethyl-t-butyl ether	4.08	59	48438	1.994 ug/l	92
33) Tert-Amyl methyl ether	5.59	73	41357	1.929 ug/l	99
34) Propionitrile	4.35	54	6846	10.324 ug/l #	94
35) Benzene	5.39	78	75713	2.089 ug/l	98
36) 1,2-Dichloroethane	5.41	62	22936	2.061 ug/l	98
37) Trichloroethene	6.19	130	21768	2.039 ug/l	100
38) 1,2-Dichloropropane	6.44	63	19057	2.026 ug/l	100
39) Methacrylonitrile	4.56	41	5993	1.963 ug/l	94
40) Methyl acrylate	4.43	55	9389	2.039 ug/l #	97
41) Tetrahydrofuran	4.65	42	6230	3.454 ug/l	90
42) 1-Chlorobutane	5.07	56	35359	2.001 ug/l	98

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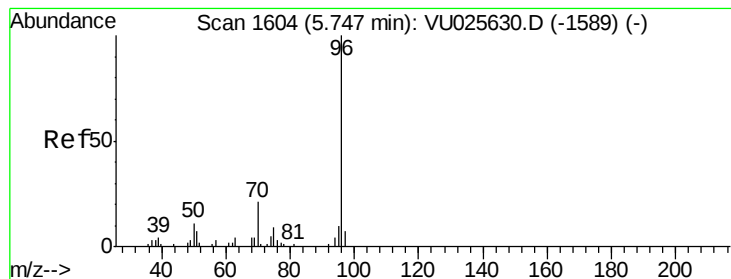
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0803WBS01

Quant Time: Aug 04 05:31:03 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\524U072518DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Fri Jul 27 15:10:58 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

43) Dibromomethane	6.56	93	9689	1.973	ug/l	96
44) Bromodichloromethane	6.76	83	25483	2.048	ug/l	98
45) 4-Methyl-2-Pentanone	7.47	43	50669	9.253	ug/l	97
46) t-1,4-Dichloro-2-butene	10.50	75	10938	5.843	ug/l #	64
47) Methyl methacrylate	6.63	69	15011	3.656	ug/l #	94
48) Ethyl methacrylate	8.02	69	14625	1.773	ug/l	95
49) Toluene	7.64	92	44053	1.989	ug/l	98
50) t-1,3-Dichloropropene	7.89	75	21923	1.952	ug/l	92
51) cis-1,3-Dichloropropene	7.27	75	27362	2.033	ug/l	96
52) 1,1,2-Trichloroethane	8.07	97	12693	1.928	ug/l	96
53) 1,3-Dichloropropane	8.25	76	22297	2.006	ug/l	100
54) 2-Hexanone	8.37	43	36078	9.329	ug/l	97
55) Dibromochloromethane	8.48	129	17085	2.041	ug/l	98
56) 1,2-Dibromoethane	8.59	107	12970	2.036	ug/l	99
58) Tetrachloroethene	8.23	164	19765	2.059	ug/l	94
59) Chlorobenzene	9.12	112	50537	1.984	ug/l	99
60) 1,1,1,2-Tetrachloroethane	9.21	131	19001	2.009	ug/l	97
61) Pentachloroethane	11.10	117	14489	2.007	ug/l	98
62) Hexachloroethane	12.15	117	14176	1.923	ug/l	99
63) Ethyl Benzene	9.25	91	81309	1.919	ug/l	97
64) m/p-Xylenes	9.38	106	63953	3.840	ug/l	99
65) o-Xylene	9.78	106	30357	1.913	ug/l	99
66) Styrene	9.80	104	50074	1.858	ug/l	98
67) Bromoform	9.96	173	9531	1.930	ug/l #	94
69) Isopropylbenzene	10.17	105	82266	1.918	ug/l	100
70) 1,1,2,2-Tetrachloroethane	10.46	83	16103	1.947	ug/l	99
71) 1,2,3-Trichloropropane	10.50	75	10938	1.697	ug/l #	93
72) Bromobenzene	10.45	156	22104	1.985	ug/l	94
73) n-propylbenzene	10.59	120	22744	1.882	ug/l	98
74) 2-Chlorotoluene	10.66	126	20212	1.900	ug/l	96
75) 1,3,5-Trimethylbenzene	10.78	105	72060	1.924	ug/l	97
76) 4-Chlorotoluene	10.78	126	22072	1.974	ug/l	95
77) tert-Butylbenzene	11.10	119	69259	1.876	ug/l	98
78) 1,2,4-Trimethylbenzene	11.15	105	73768	1.930	ug/l	100
79) sec-Butylbenzene	11.33	105	94064	1.938	ug/l	99
80) Nitrobenzene	12.88	77	2231	8.861	ug/l #	89
81) p-Isopropyltoluene	11.48	119	78808	1.915	ug/l	98
82) 1,3-Dichlorobenzene	11.42	146	44837	1.958	ug/l	99
83) 1,4-Dichlorobenzene	11.51	146	45006	2.015	ug/l	99
84) n-Butylbenzene	11.89	91	69882	1.810	ug/l	98
85) 1,2-Dichlorobenzene	11.88	146	41782	1.998	ug/l	99
86) 1,2-Dibromo-3-Chloropropan	12.66	75	2755	2.019	ug/l	97
87) 1,2,4-Trichlorobenzene	13.51	180	27655	1.899	ug/l	96
88) Hexachlorobutadiene	13.70	225	16681	1.864	ug/l	100
89) Naphthalene	13.75	128	40143	1.698	ug/l	99
90) 1,2,3-Trichlorobenzene	13.99	180	24686	1.855	ug/l	98

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



#1

Fluorobenzene

Concen: 1.000 ug/l

RT: 5.74 min Scan# 1603

Delta R.T. -0.00 min

Lab File: VU025814.D

Acq: 03 Aug 2018 12:50

Instrument :

MSVOA_U

ClientSampleId :

VU0803WBS01

Tgt Ion: 96 Resp: 32537

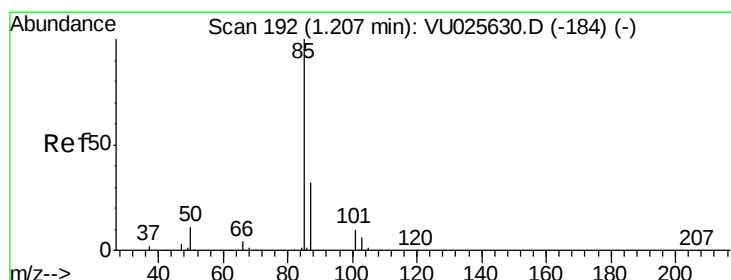
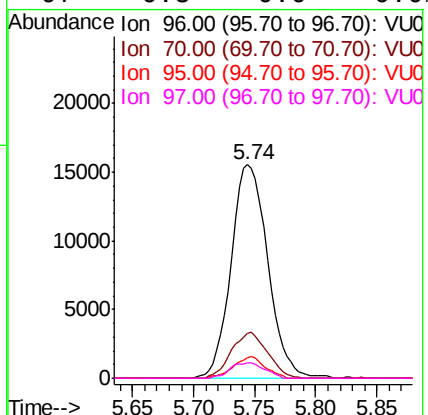
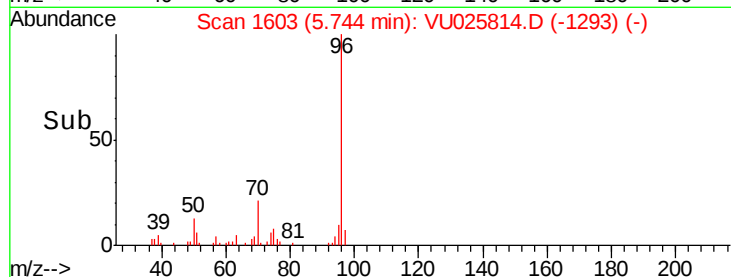
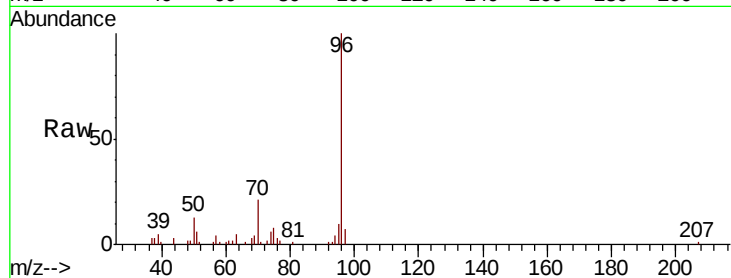
Ion Ratio Lower Upper

96 100

70 21.1 16.2 24.4

95 8.8 6.9 10.3

97 6.8 0.0 0.0#



#2

Dichlorodifluoromethane

Concen: 1.995 ug/l

RT: 1.21 min Scan# 192

Delta R.T. 0.00 min

Lab File: VU025814.D

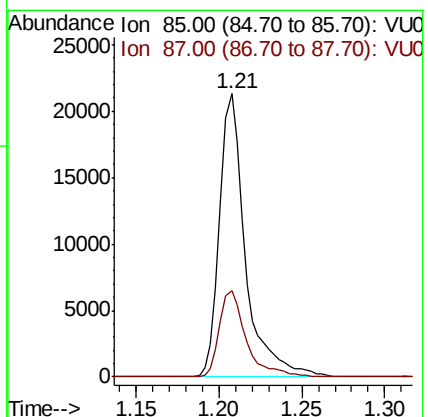
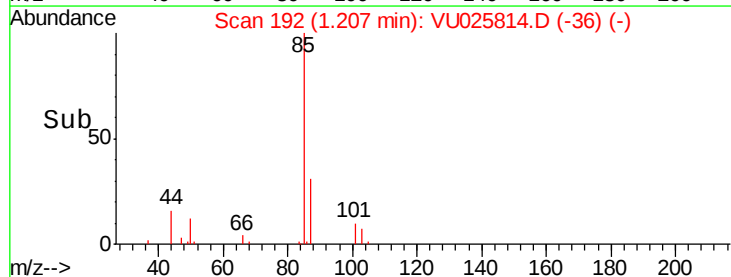
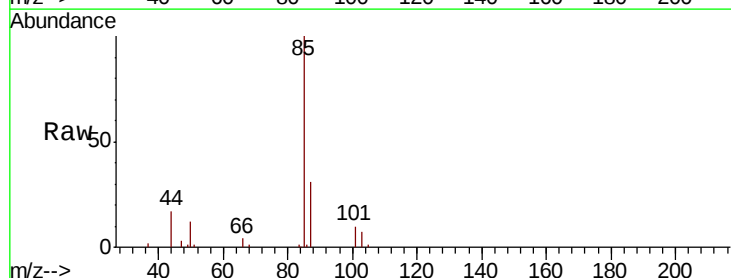
Acq: 03 Aug 2018 12:50

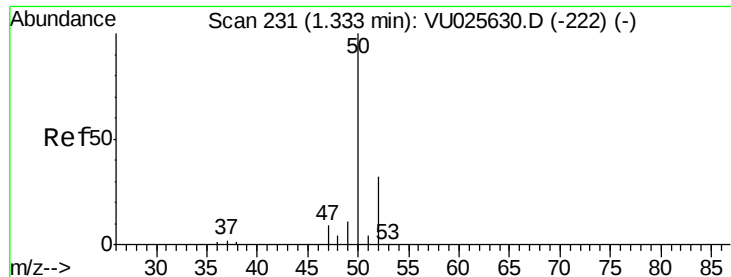
Tgt Ion: 85 Resp: 23146

Ion Ratio Lower Upper

85 100

87 30.6 16.2 48.5





#3

Chloromethane

Concen: 1.955 ug/l

RT: 1.33 min Scan# 231

Delta R.T. 0.00 min

Lab File: VU025814.D

Acq: 03 Aug 2018 12:50

Instrument :

MSVOA_U

ClientSampleId :

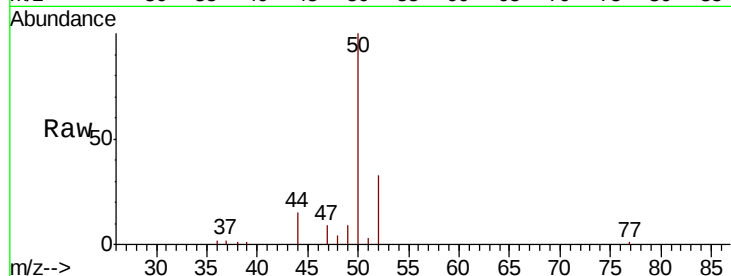
VU0803WBS01

Tgt Ion: 50 Resp: 21442

Ion Ratio Lower Upper

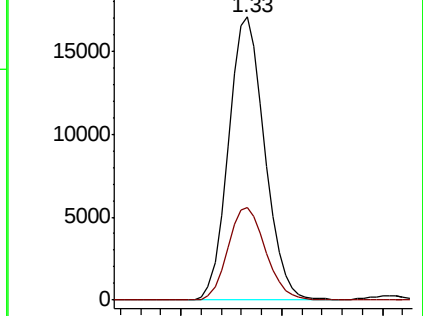
50 100

52 32.8 26.0 39.0

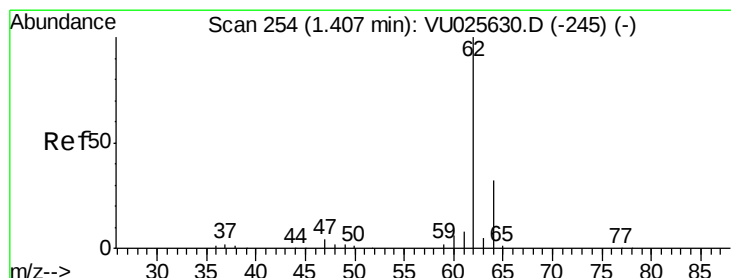
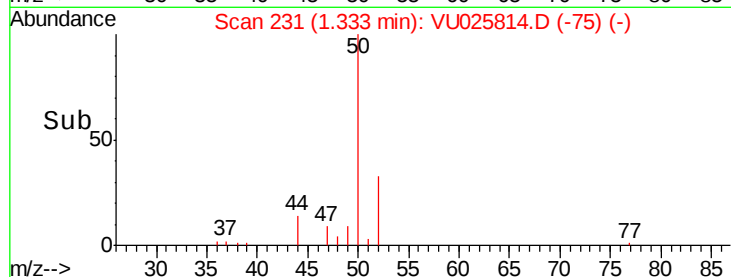


Abundance Ion 50.00 (49.70 to 50.70): VU0

Ion 52.00 (51.70 to 52.70): VU0



Time-->



#4

Vinyl Chloride

Concen: 2.024 ug/l

RT: 1.40 min Scan# 253

Delta R.T. -0.00 min

Lab File: VU025814.D

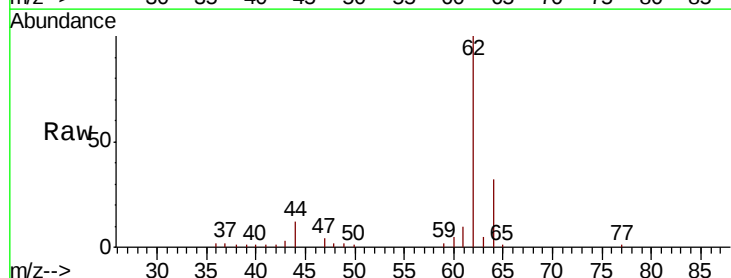
Acq: 03 Aug 2018 12:50

Tgt Ion: 62 Resp: 20552

Ion Ratio Lower Upper

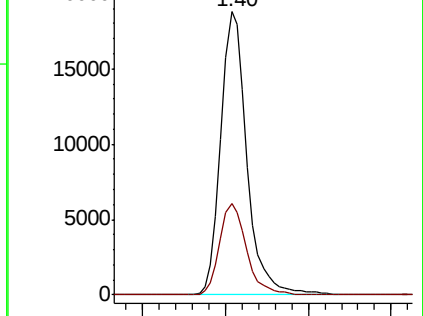
62 100

64 32.3 25.8 38.8

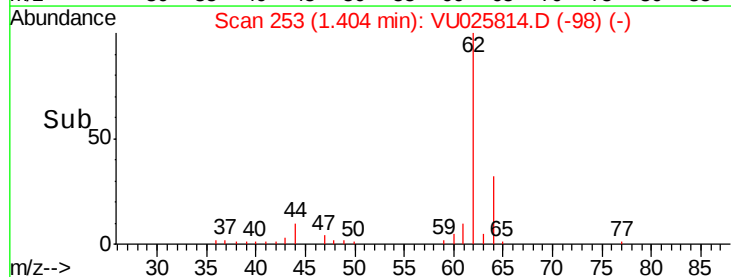


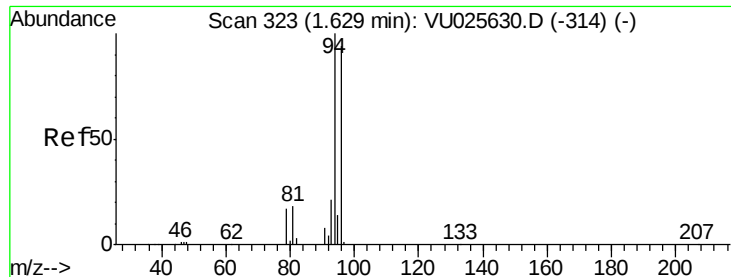
Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.00 (63.70 to 64.70): VU0



Time-->





#5

Bromomethane

Concen: 2.213 ug/l

RT: 1.63 min Scan# 324

Delta R.T. 0.00 min

Lab File: VU025814.D

Acq: 03 Aug 2018 12:50

Instrument :

MSVOA_U

ClientSampleId :

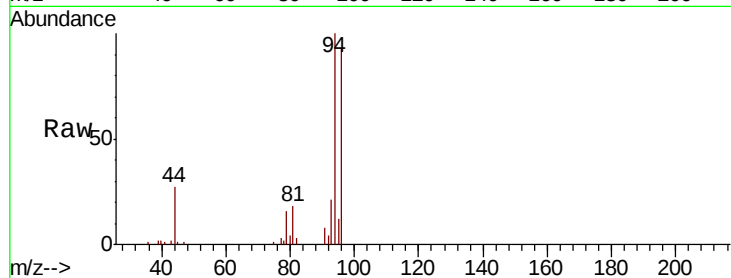
VU0803WBS01

Tgt Ion: 94 Resp: 10945

Ion Ratio Lower Upper

94 100

96 92.6 75.1 112.7



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0

10000

8000

6000

4000

2000

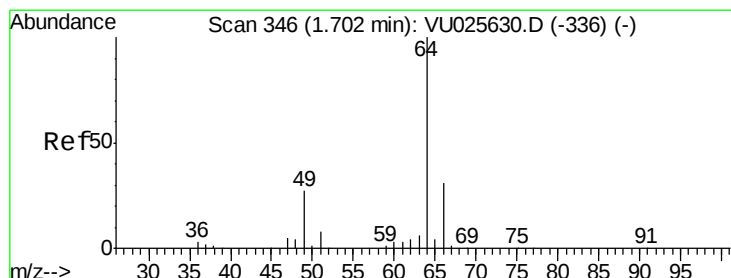
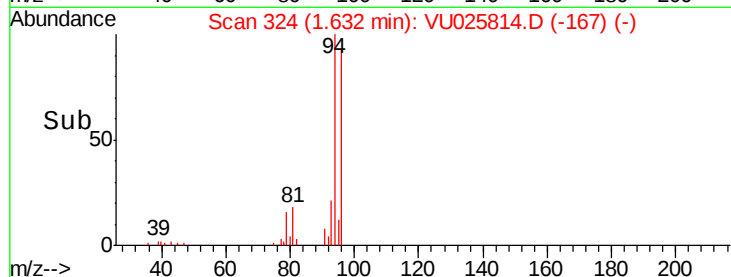
0

1.60

1.63

1.65

Time-->



#6

Chloroethane

Concen: 2.019 ug/l

RT: 1.70 min Scan# 346

Delta R.T. 0.00 min

Lab File: VU025814.D

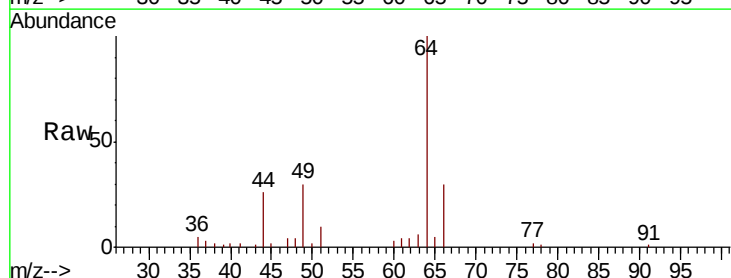
Acq: 03 Aug 2018 12:50

Tgt Ion: 64 Resp: 12302

Ion Ratio Lower Upper

64 100

66 30.4 24.9 37.3



Abundance Ion 64.00 (63.70 to 64.70): VU0

Ion 66.00 (65.70 to 66.70): VU0

10000

8000

6000

4000

2000

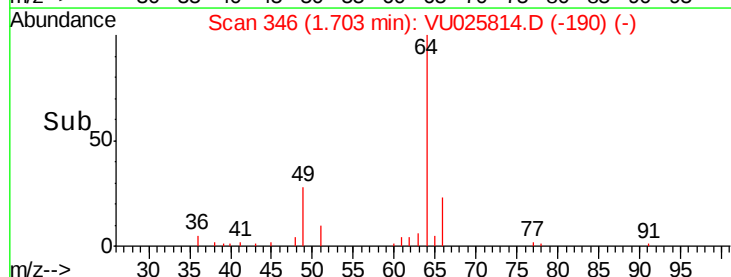
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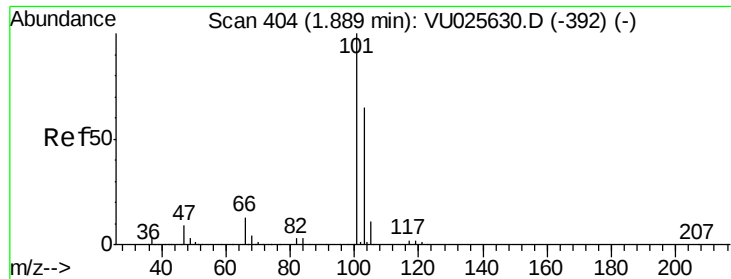
1.65

1.70

1.75

Time-->





#7

Trichlorofluoromethane

Concen: 2.151 ug/l

RT: 1.89 min Scan# 404

Delta R.T. 0.00 min

Lab File: VU025814.D

Acq: 03 Aug 2018 12:50

Instrument :

MSVOA_U

ClientSampleId :

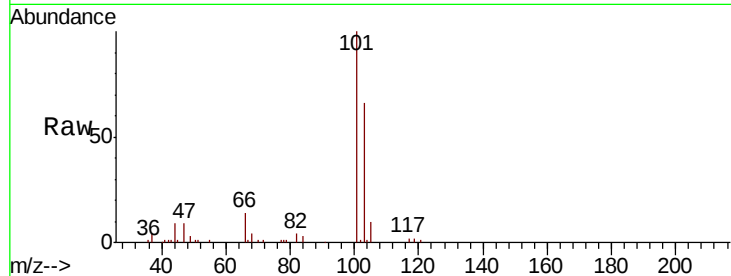
VU0803WBS01

Tgt Ion:101 Resp: 31853

Ion Ratio Lower Upper

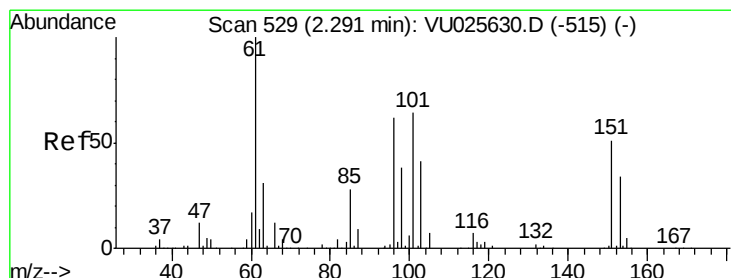
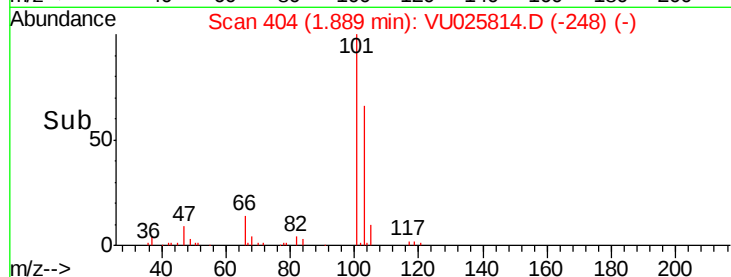
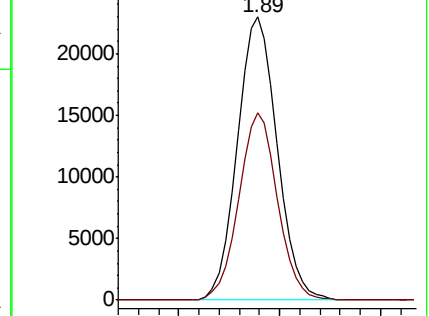
101 100

103 66.3 51.4 77.0



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#8

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 2.122 ug/l

RT: 2.29 min Scan# 529

Delta R.T. 0.00 min

Lab File: VU025814.D

Acq: 03 Aug 2018 12:50

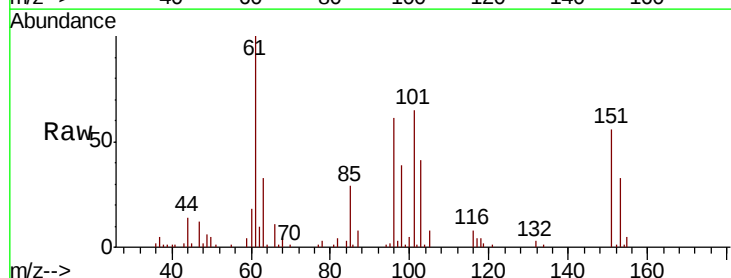
Tgt Ion:101 Resp: 17251

Ion Ratio Lower Upper

101 100

85 45.7 35.2 52.8

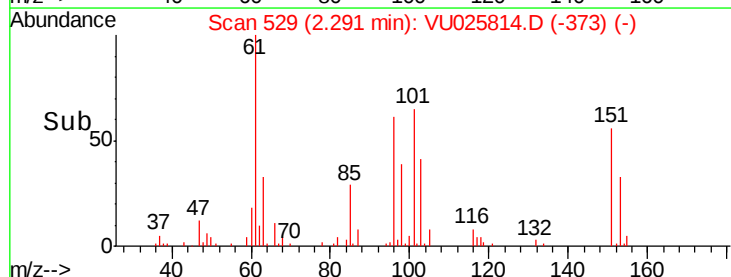
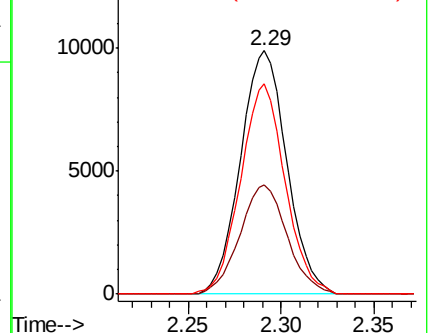
151 82.9 63.5 95.3

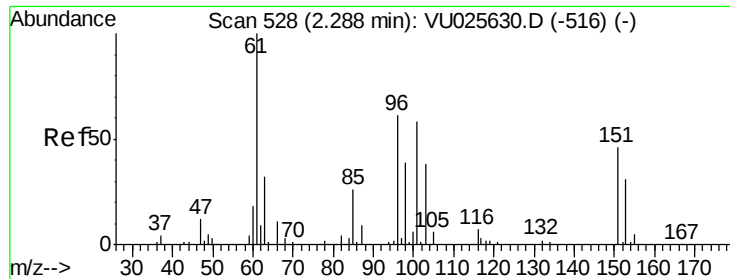


Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V





#9

1,1-Dichloroethene

Concen: 2.054 ug/l

RT: 2.29 min Scan# 528

Delta R.T. 0.00 min

Lab File: VU025814.D

Acq: 03 Aug 2018 12:50

Instrument :

MSVOA_U

ClientSampleId :

VU0803WBS01

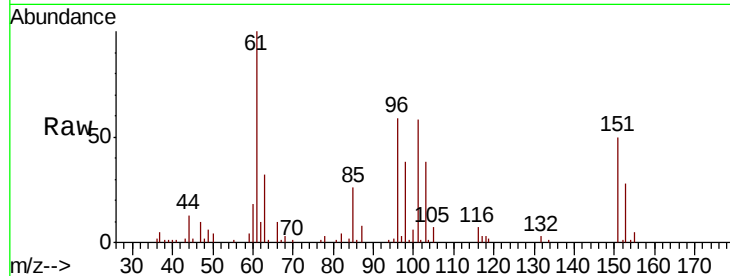
Tgt Ion: 96 Resp: 14732

Ion Ratio Lower Upper

96 100

61 170.8 0.0 526.5

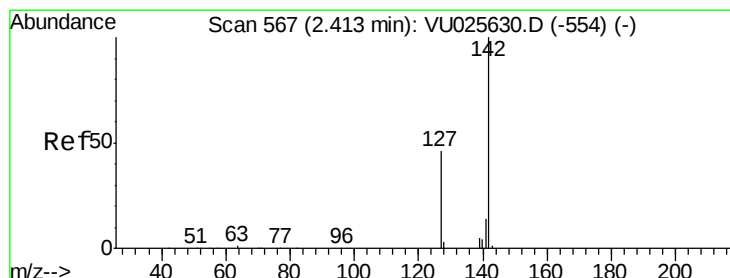
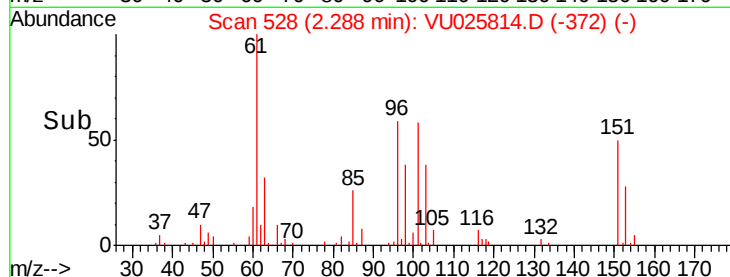
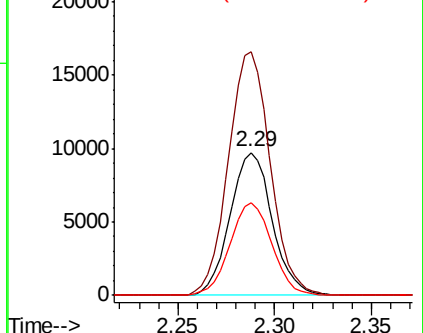
98 64.7 0.0 123.4



Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 98.00 (97.70 to 98.70): VU0



#10

Iodomethane

Concen: 1.895 ug/l

RT: 2.41 min Scan# 567

Delta R.T. 0.00 min

Lab File: VU025814.D

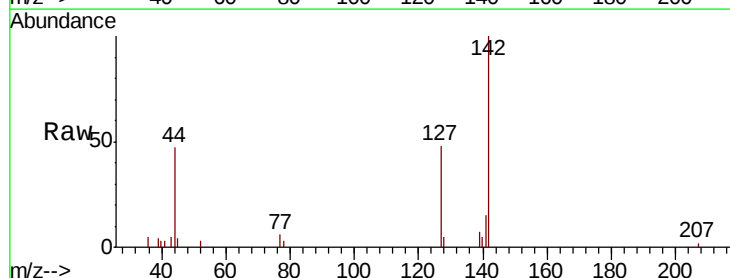
Acq: 03 Aug 2018 12:50

Tgt Ion: 142 Resp: 8063

Ion Ratio Lower Upper

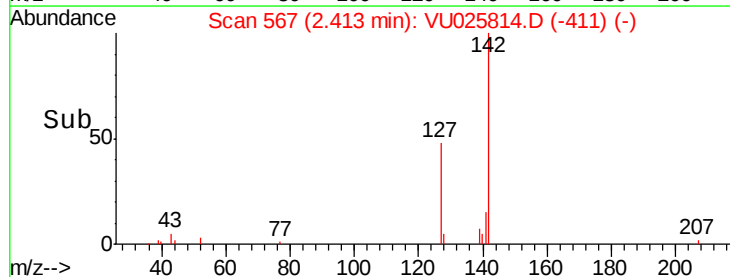
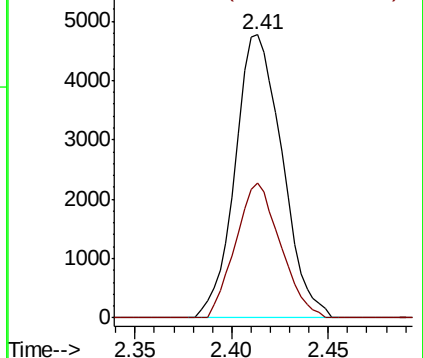
142 100

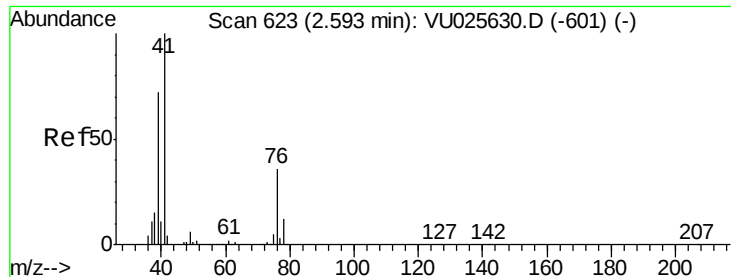
127 45.7 34.5 51.7



Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

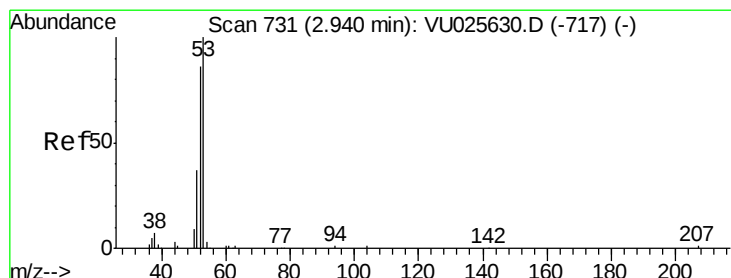
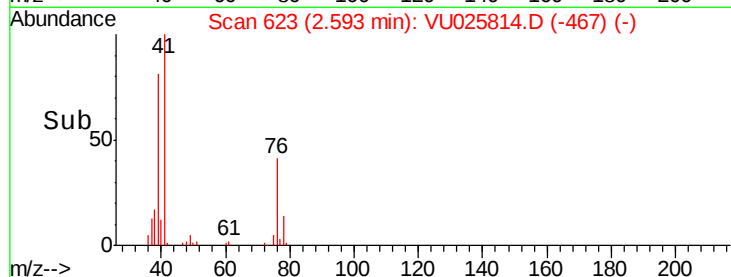
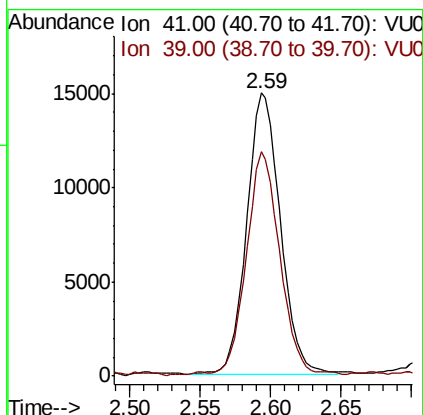
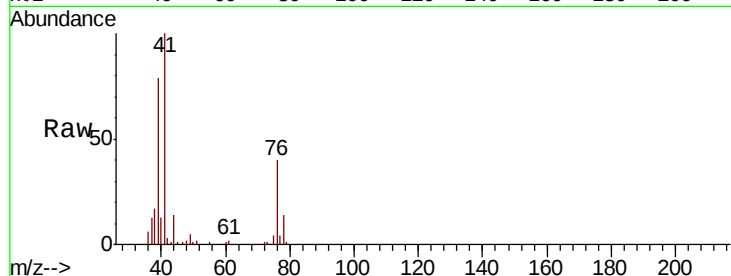




#11
 Allyl Chloride
 Concen: 2.090 ug/l
 RT: 2.59 min Scan# 623
 Delta R.T. 0.00 min
 Lab File: VU025814.D
 Acq: 03 Aug 2018 12:50

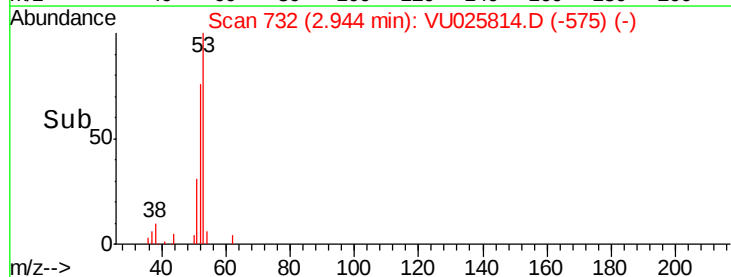
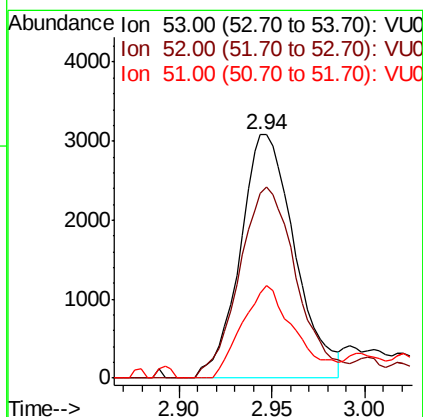
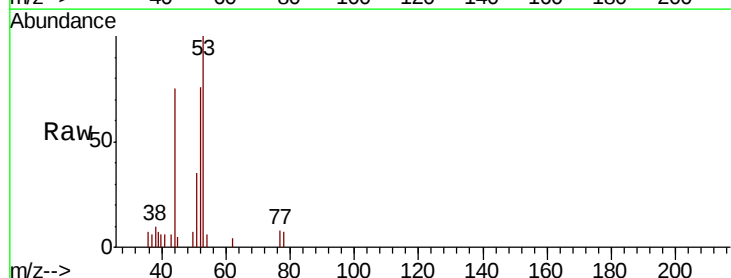
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0803WBS01

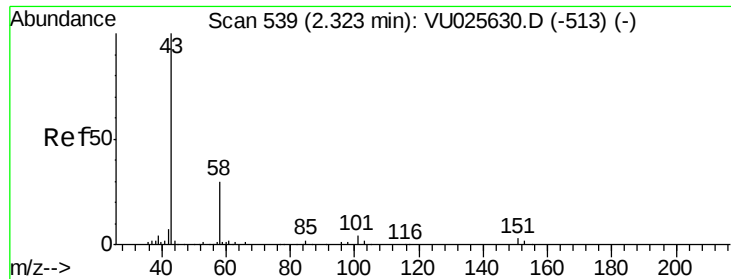
Tgt Ion: 41 Resp: 25067
 Ion Ratio Lower Upper
 41 100
 39 76.5 51.4 77.2



#12
 Acrylonitrile
 Concen: 3.999 ug/l
 RT: 2.94 min Scan# 732
 Delta R.T. 0.00 min
 Lab File: VU025814.D
 Acq: 03 Aug 2018 12:50

Tgt Ion: 53 Resp: 6324
 Ion Ratio Lower Upper
 53 100
 52 82.9 65.1 97.7
 51 37.1 30.2 45.4





#13

Acetone

Concen: 10.223 ug/l

RT: 2.33 min Scan# 542

Delta R.T. 0.01 min

Lab File: VU025814.D

Acq: 03 Aug 2018 12:50

Instrument :

MSVOA_U

ClientSampleId :

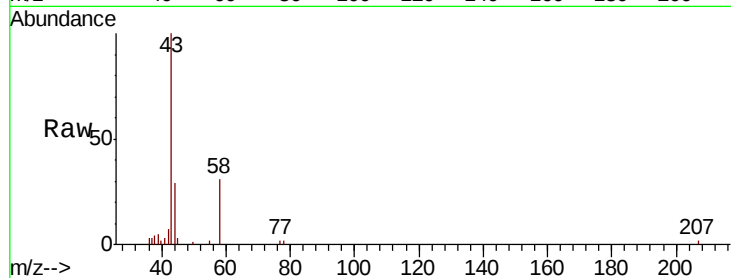
VU0803WBS01

Tgt Ion: 43 Resp: 14060

Ion Ratio Lower Upper

43 100

58 31.5 26.0 39.0



Abundance Ion 43.00 (42.70 to 43.70): VU025630.D (-513) (-)

Ion 58.00 (57.70 to 58.70): VU025630.D (-513) (-)

2.33

8000

6000

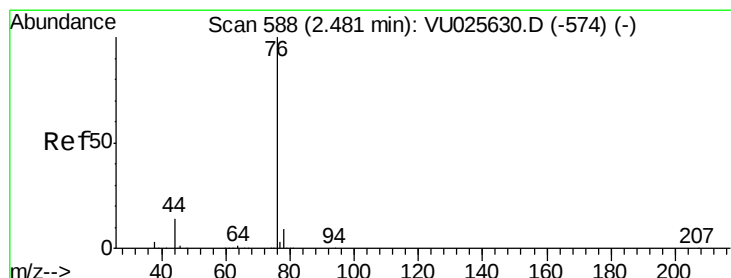
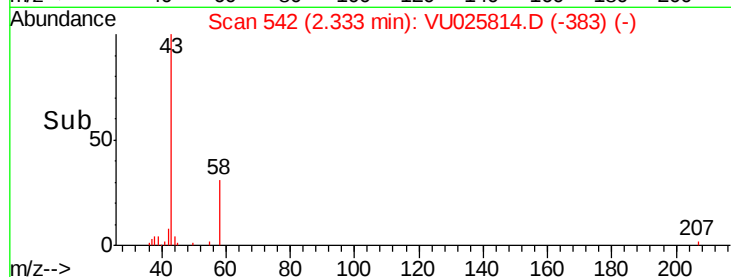
4000

2000

0

Time-->

2.30 2.35



#14

Carbon Disulfide

Concen: 2.040 ug/l

RT: 2.48 min Scan# 587

Delta R.T. -0.00 min

Lab File: VU025814.D

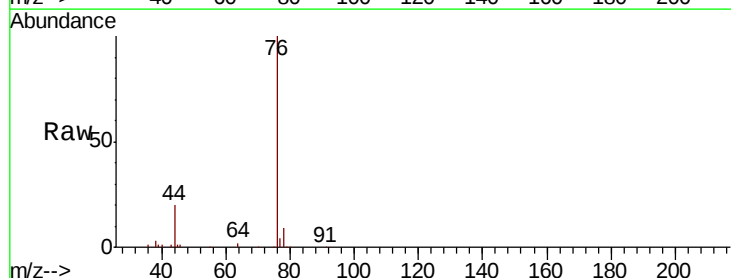
Acq: 03 Aug 2018 12:50

Tgt Ion: 76 Resp: 50058

Ion Ratio Lower Upper

76 100

78 9.3 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VU025630.D (-574) (-)

Ion 78.00 (77.70 to 78.70): VU025630.D (-574) (-)

2.48

30000

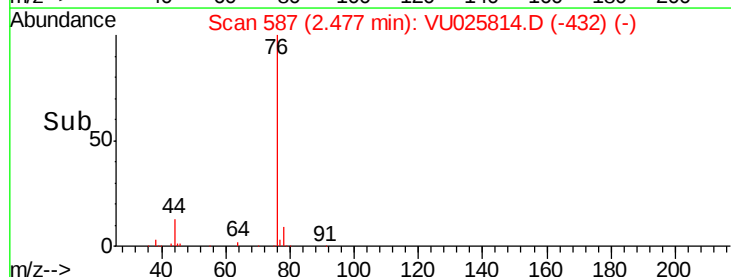
20000

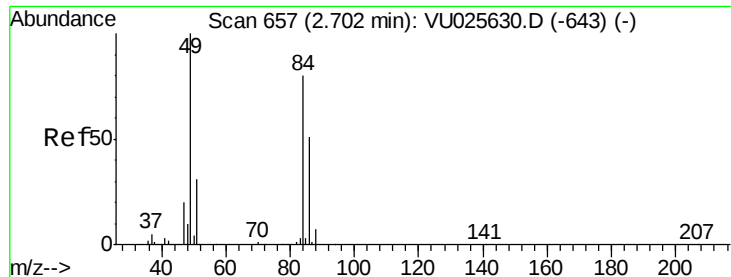
10000

0

Time-->

2.40 2.45 2.50 2.55 2.60





#15

Methylene Chloride

Concen: 2.164 ug/l

RT: 2.70 min Scan# 657

Delta R.T. 0.00 min

Lab File: VU025814.D

Acq: 03 Aug 2018 12:50

Instrument :

MSVOA_U

ClientSampleId :

VU0803WBS01

Tgt Ion: 84 Resp: 18502

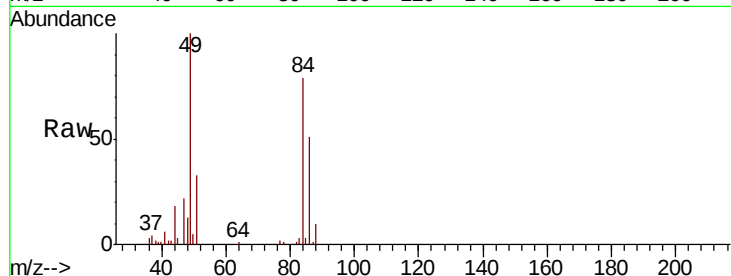
Ion Ratio Lower Upper

84 100

49 126.3 108.7 163.1

51 42.2 0.0 82.4

86 65.0 50.7 76.1

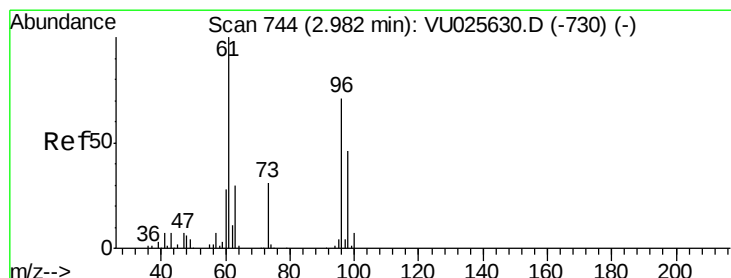
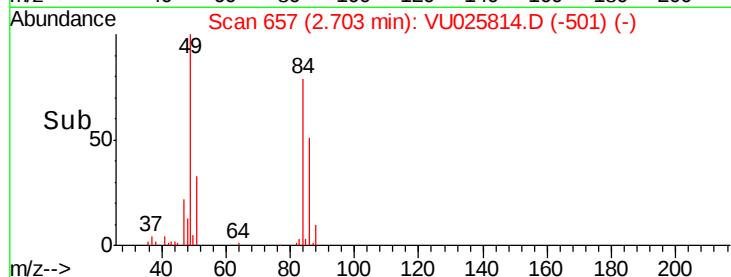
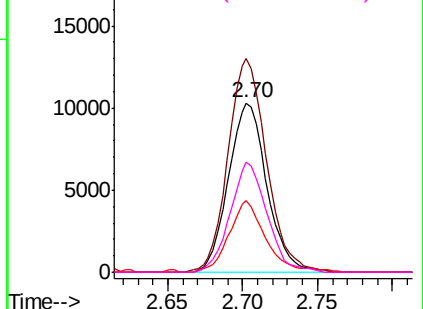


Abundance Ion 84.00 (83.70 to 84.70): VU0

Ion 49.00 (48.70 to 49.70): VU0

Ion 51.00 (50.70 to 51.70): VU0

Ion 86.00 (85.70 to 86.70): VU0



#16

trans-1,2-Dichloroethene

Concen: 2.108 ug/l

RT: 2.98 min Scan# 744

Delta R.T. 0.00 min

Lab File: VU025814.D

Acq: 03 Aug 2018 12:50

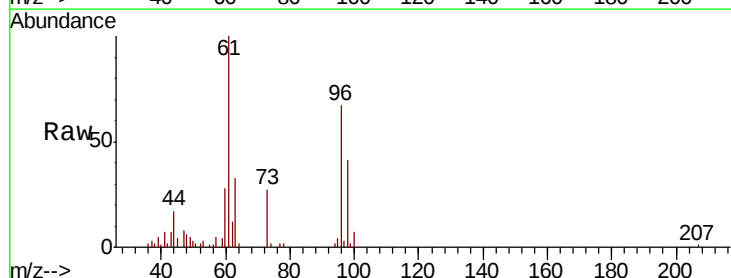
Tgt Ion: 96 Resp: 16951

Ion Ratio Lower Upper

96 100

61 148.4 123.9 185.9

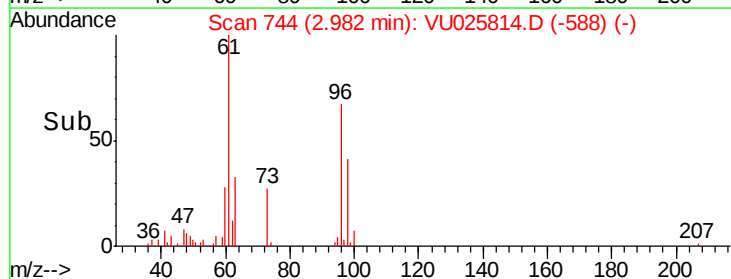
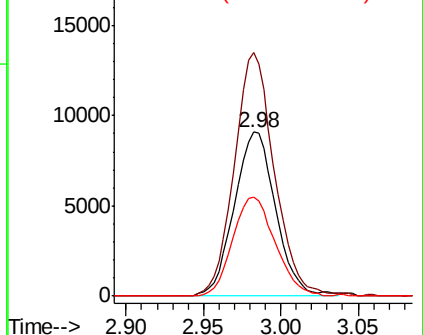
98 60.6 50.6 76.0

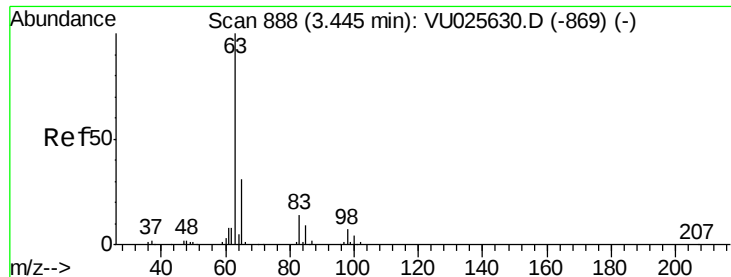


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 98.00 (97.70 to 98.70): VU0

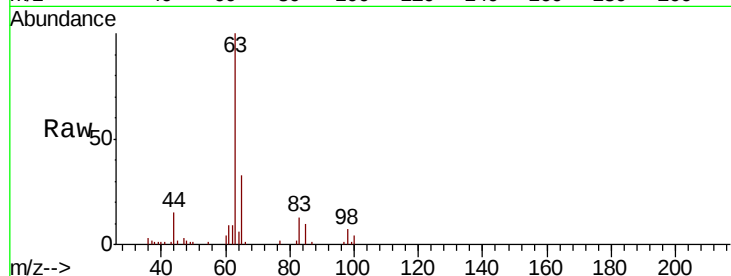




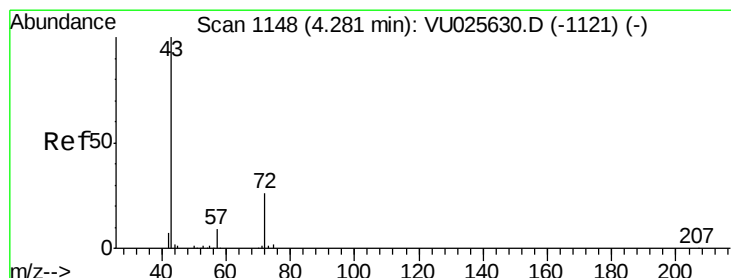
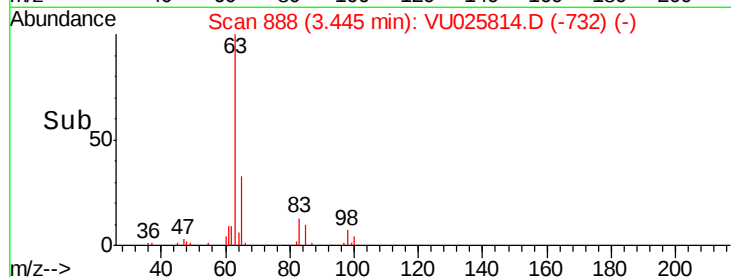
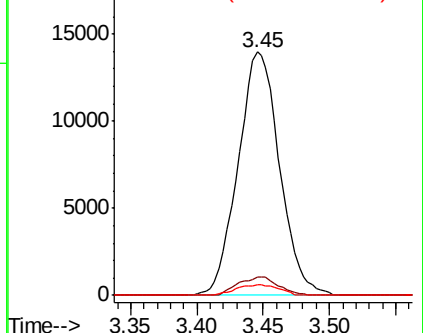
#17
 1,1-Dichloroethane
 Concen: 1.907 ug/l
 RT: 3.45 min Scan# 888
 Delta R.T. 0.00 min
 Lab File: VU025814.D
 Acq: 03 Aug 2018 12:50

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0803WBS01

Tgt Ion:	63	Resp:	30419
Ion	Ratio	Lower	Upper
63	100		
98	7.3	2.9	8.8
100	4.2	2.0	5.8

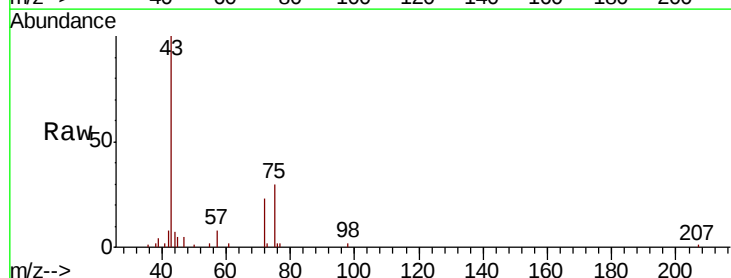


Abundance Ion 63.00 (62.70 to 63.70): VU0
 Ion 98.00 (97.70 to 98.70): VU0
 Ion 100.00 (99.70 to 100.70): VU0

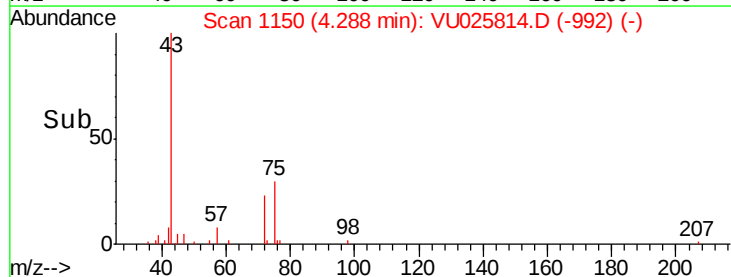
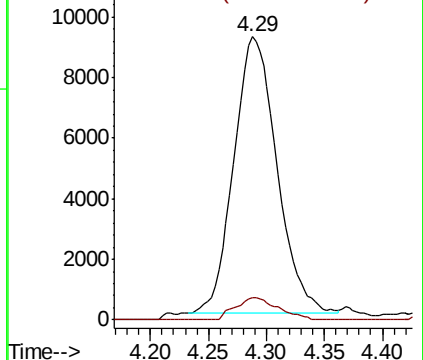


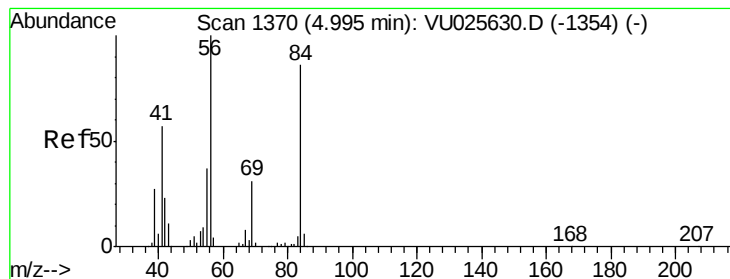
#18
 2-Butanone
 Concen: 9.923 ug/l
 RT: 4.29 min Scan# 1150
 Delta R.T. 0.01 min
 Lab File: VU025814.D
 Acq: 03 Aug 2018 12:50

Tgt Ion:	43	Resp:	23683
Ion	Ratio	Lower	Upper
43	100		
57	8.3	0.0	15.8



Abundance Ion 43.00 (42.70 to 43.70): VU0
 Ion 57.00 (56.70 to 57.70): VU0





#19

Cyclohexane

Concen: 1.920 ug/l

RT: 5.00 min Scan# 1370

Delta R.T. 0.00 min

Lab File: VU025814.D

Acq: 03 Aug 2018 12:50

Instrument :

MSVOA_U

ClientSampleId :

VU0803WBS01

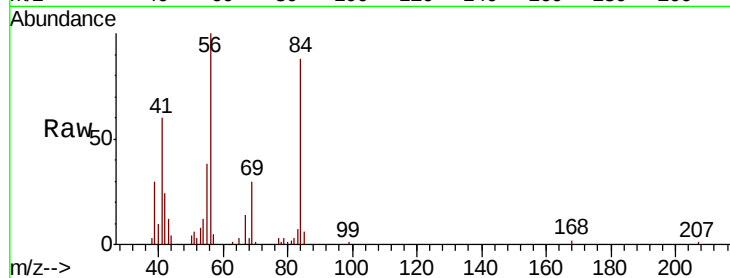
Tgt Ion: 56 Resp: 23617

Ion Ratio Lower Upper

56 100

69 35.3 26.0 39.0

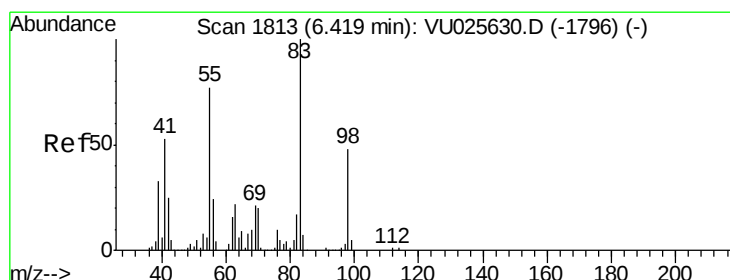
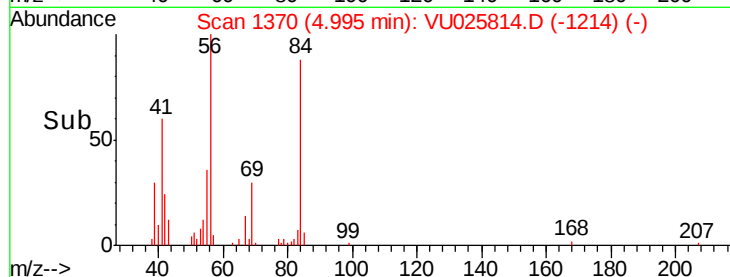
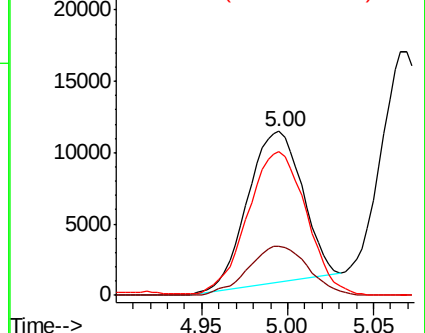
84 100.4 68.3 102.5



Abundance Ion 56.00 (55.70 to 56.70): VU0

Ion 69.00 (68.70 to 69.70): VU0

Ion 84.00 (83.70 to 84.70): VU0



#20

Methylcyclohexane

Concen: 1.870 ug/l

RT: 6.42 min Scan# 1812

Delta R.T. -0.00 min

Lab File: VU025814.D

Acq: 03 Aug 2018 12:50

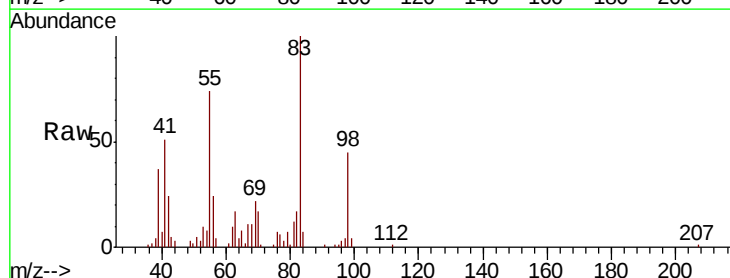
Tgt Ion: 83 Resp: 28214

Ion Ratio Lower Upper

83 100

55 78.6 66.4 99.6

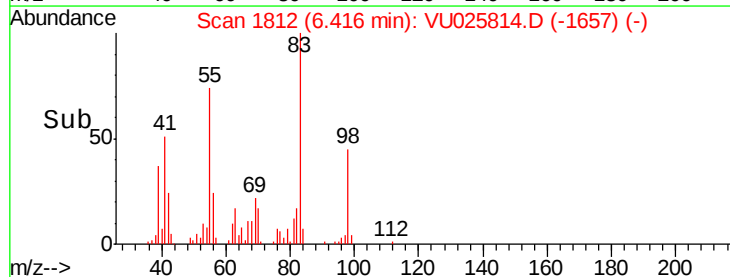
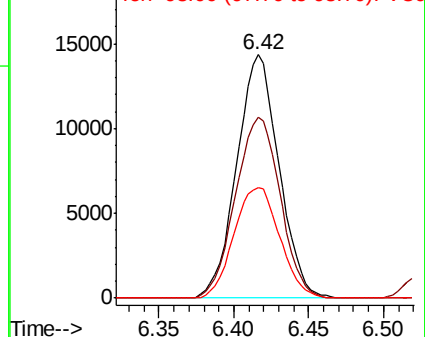
98 49.2 35.4 53.2

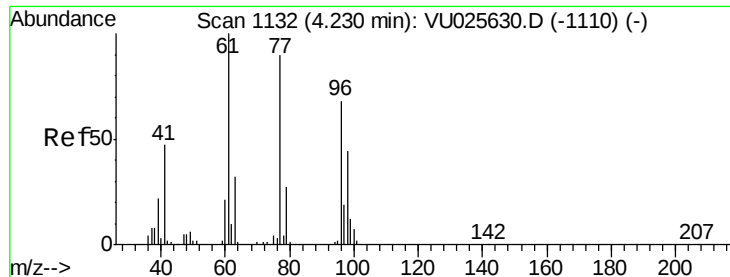


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 98.00 (97.70 to 98.70): VU0





#21

2,2-Dichloropropane

Concen: 2.179 ug/l

RT: 4.23 min Scan# 1132

Delta R.T. 0.00 min

Lab File: VU025814.D

Acq: 03 Aug 2018 12:50

Instrument :

MSVOA_U

ClientSampleId :

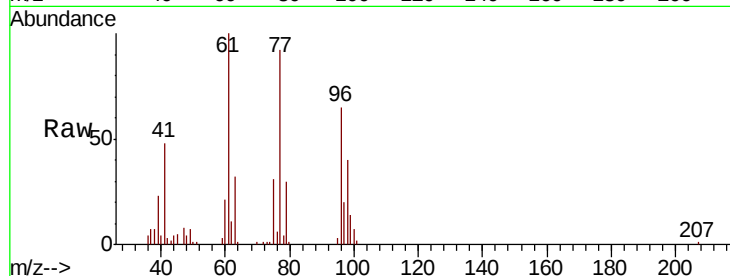
VU0803WBS01

Tgt Ion: 77 Resp: 33141

Ion Ratio Lower Upper

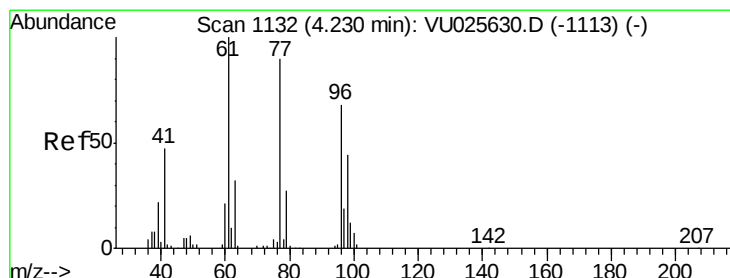
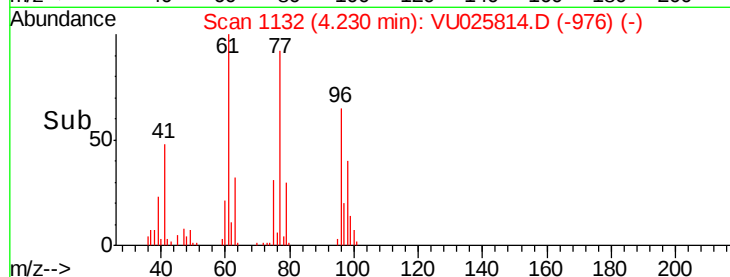
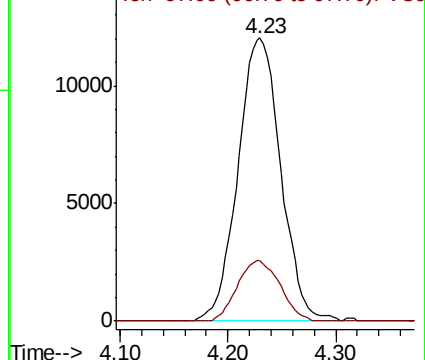
77 100

97 21.3 17.9 26.9



Abundance Ion 77.00 (76.70 to 77.70): VU025814.D (-976) (-)

Ion 97.00 (96.70 to 97.70): VU025814.D (-976) (-)



#22

cis-1,2-Dichloroethene

Concen: 2.055 ug/l

RT: 4.23 min Scan# 1133

Delta R.T. 0.00 min

Lab File: VU025814.D

Acq: 03 Aug 2018 12:50

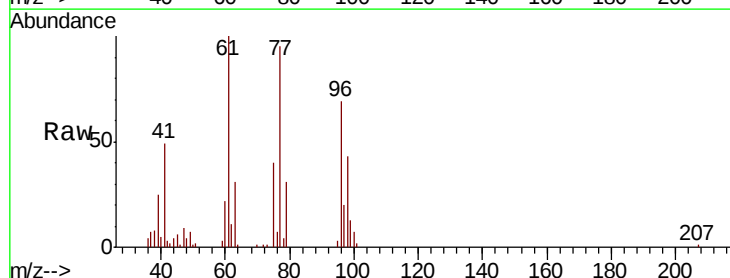
Tgt Ion: 96 Resp: 20805

Ion Ratio Lower Upper

96 100

61 152.1 0.0 400.5

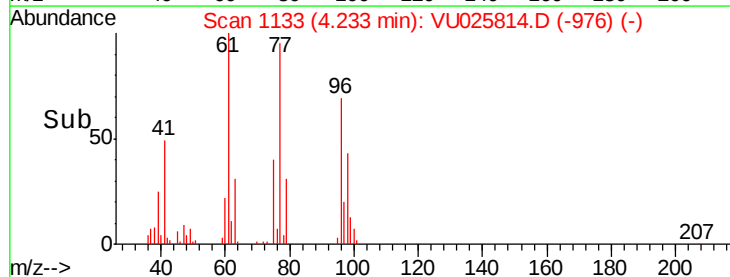
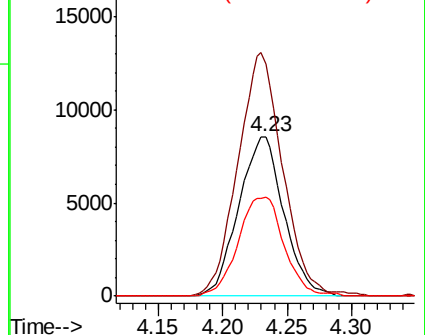
98 63.4 32.2 96.6

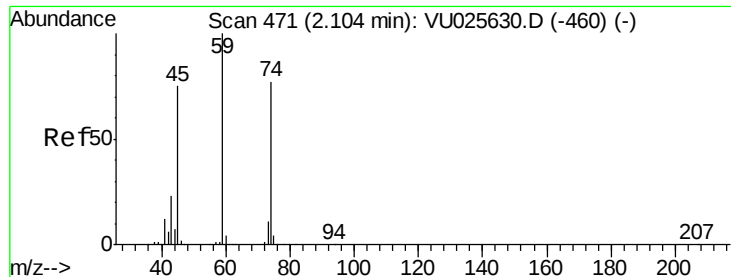


Abundance Ion 96.00 (95.70 to 96.70): VU025814.D (-976) (-)

Ion 61.00 (60.70 to 61.70): VU025814.D (-976) (-)

Ion 98.00 (97.70 to 98.70): VU025814.D (-976) (-)

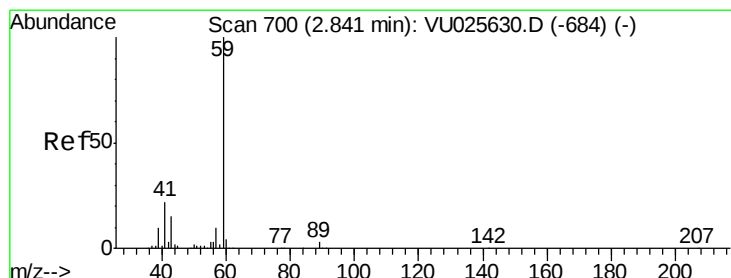
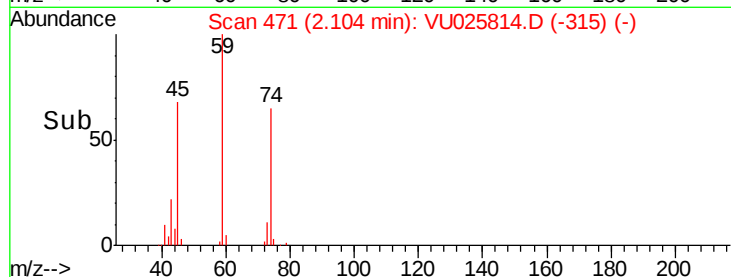
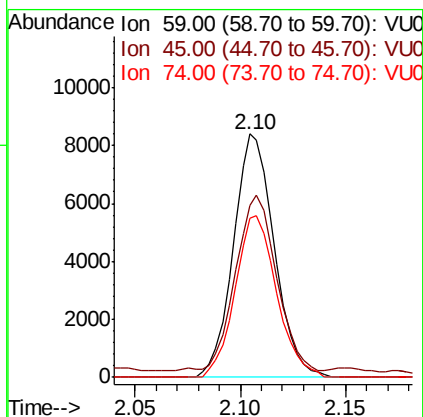
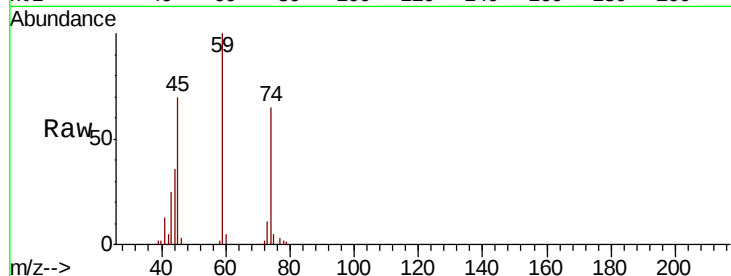




#23
Diethyl Ether
Concen: 2.075 ug/l
RT: 2.10 min Scan# 471
Delta R.T. 0.00 min
Lab File: VU025814.D
Acq: 03 Aug 2018 12:50

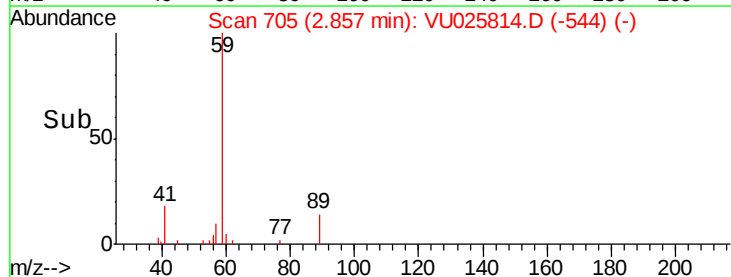
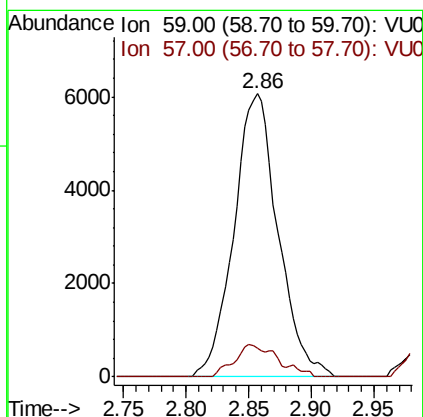
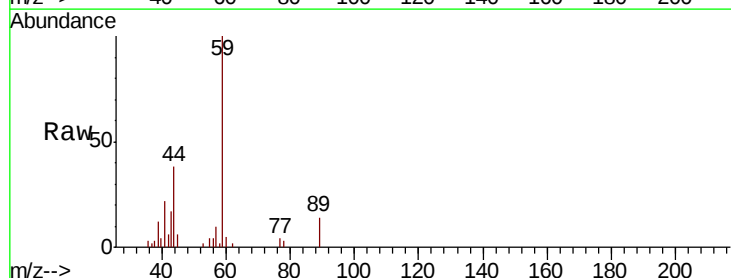
Instrument :
MSVOA_U
ClientSampleId :
VU0803WBS01

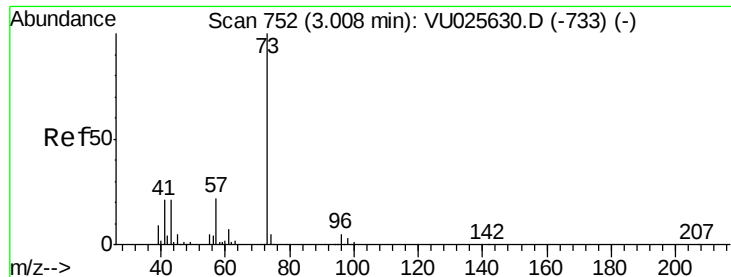
Tgt Ion: 59 Resp: 11272
Ion Ratio Lower Upper
59 100
45 73.7 60.0 90.0
74 67.5 56.5 84.7



#24
tert-Butyl Alcohol
Concen: 23.262 ug/l
RT: 2.86 min Scan# 705
Delta R.T. 0.02 min
Lab File: VU025814.D
Acq: 03 Aug 2018 12:50

Tgt Ion: 59 Resp: 14846
Ion Ratio Lower Upper
59 100
57 10.0 3.4 5.2#





#25

Methyl tert-Butyl Ether

Concen: 1.980 ug/l

RT: 3.01 min Scan# 753

Delta R.T. 0.00 min

Lab File: VU025814.D

Acq: 03 Aug 2018 12:50

Instrument :

MSVOA_U

ClientSampleId :

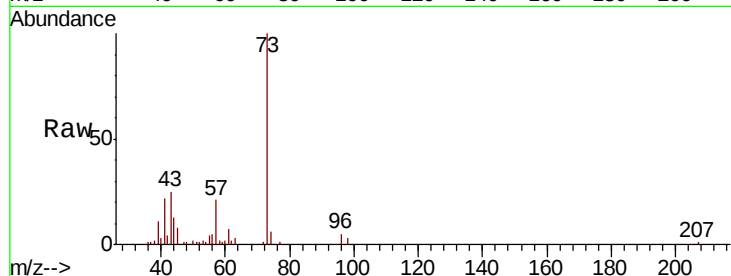
VU0803WBS01

Tgt Ion: 73 Resp: 38419

Ion Ratio Lower Upper

73 100

43 25.6 16.2 24.2#



Abundance Ion 73.00 (72.70 to 73.70): VU025630.D (-733) (-)

Ion 43.00 (42.70 to 43.70): VU025630.D (-733) (-)

3.01

15000

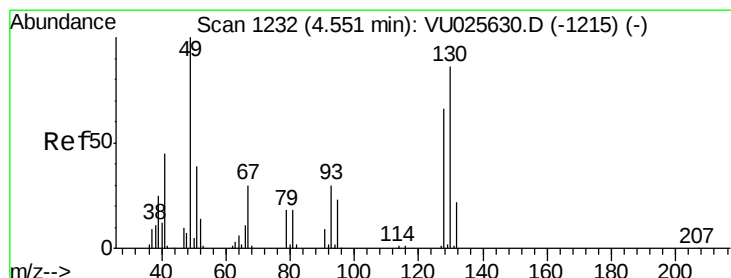
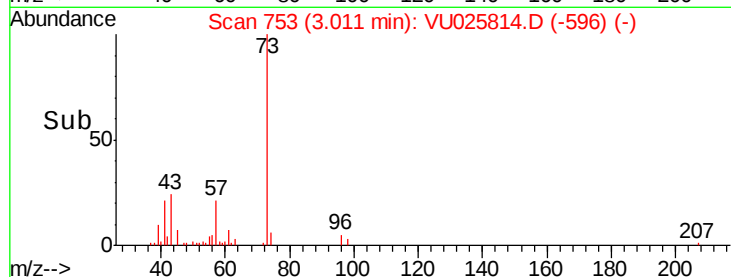
10000

5000

0

Time-->

2.95 3.00 3.05 3.10



#26

Bromochloromethane

Concen: 1.988 ug/l

RT: 4.55 min Scan# 1232

Delta R.T. 0.00 min

Lab File: VU025814.D

Acq: 03 Aug 2018 12:50

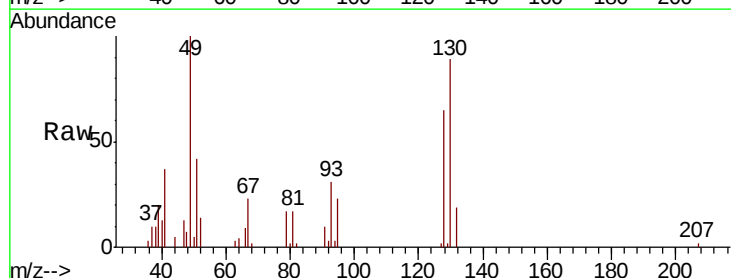
Tgt Ion: 128 Resp: 8864

Ion Ratio Lower Upper

128 100

49 154.6 0.0 375.2

130 135.8 105.8 158.6



Abundance Ion 128.00 (127.70 to 128.70): VU025630.D (-1215) (-)

Ion 49.00 (48.70 to 49.70): VU025630.D (-1215) (-)

Ion 130.00 (129.70 to 130.70): VU025630.D (-1215) (-)

8000

6000

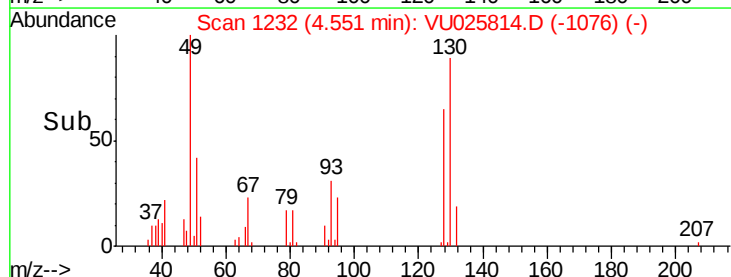
4000

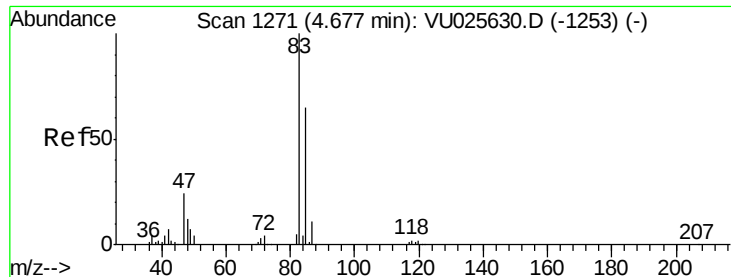
2000

0

Time-->

4.50 4.55 4.60





#27

Chloroform

Concen: 2.102 ug/l

RT: 4.68 min Scan# 1271

Delta R.T. 0.00 min

Lab File: VU025814.D

Acq: 03 Aug 2018 12:50

Instrument :

MSVOA_U

ClientSampleId :

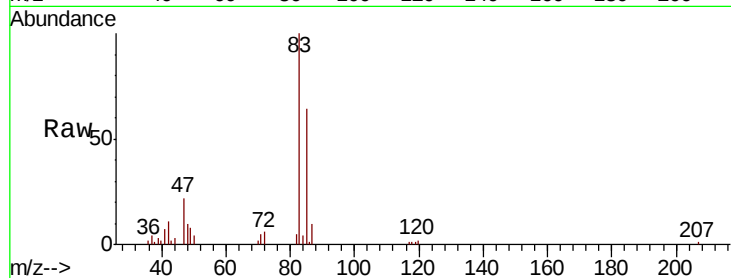
VU0803WBS01

Tgt Ion: 83 Resp: 36857

Ion Ratio Lower Upper

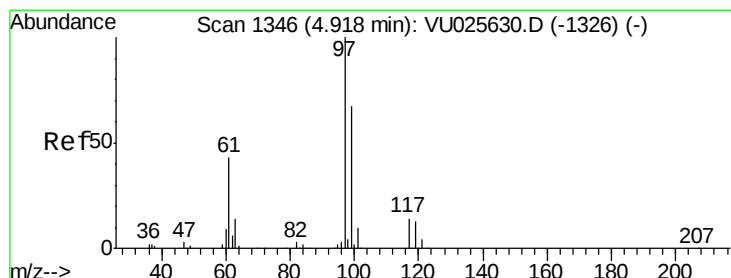
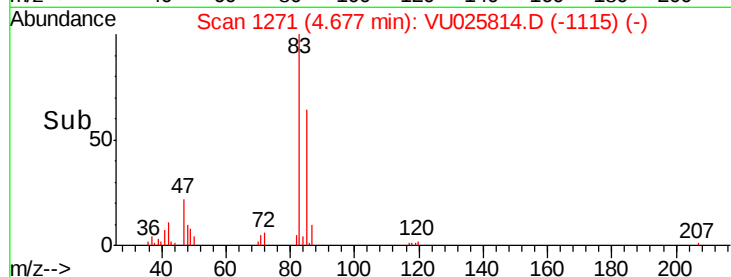
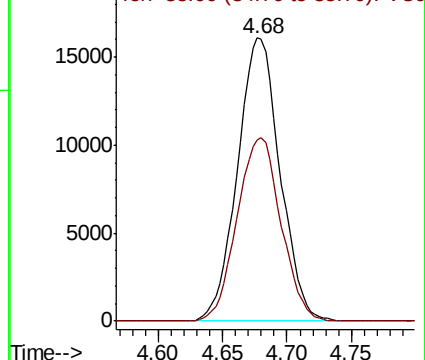
83 100

85 63.8 0.0 128.4



Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0



#28

1,1,1-Trichloroethane

Concen: 2.074 ug/l

RT: 4.91 min Scan# 1345

Delta R.T. -0.00 min

Lab File: VU025814.D

Acq: 03 Aug 2018 12:50

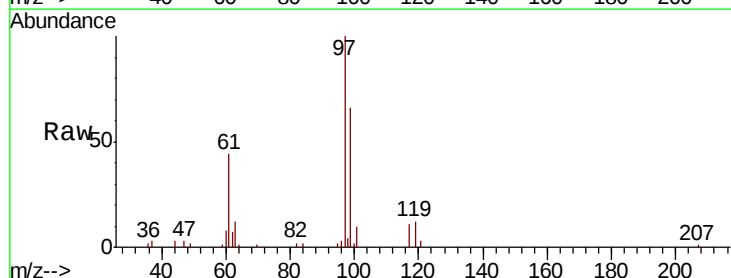
Tgt Ion: 97 Resp: 32790

Ion Ratio Lower Upper

97 100

99 66.7 32.3 96.9

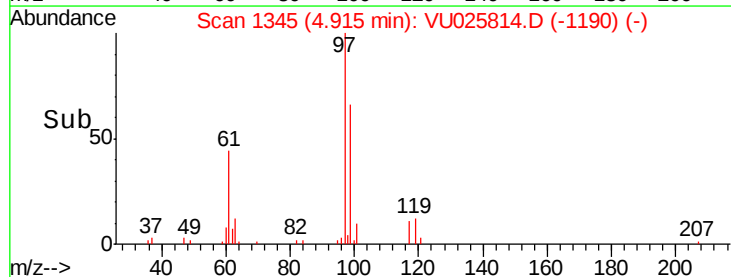
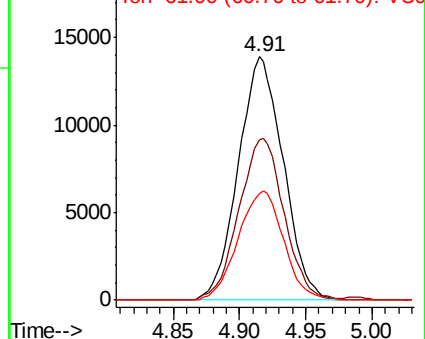
61 45.4 23.2 69.5

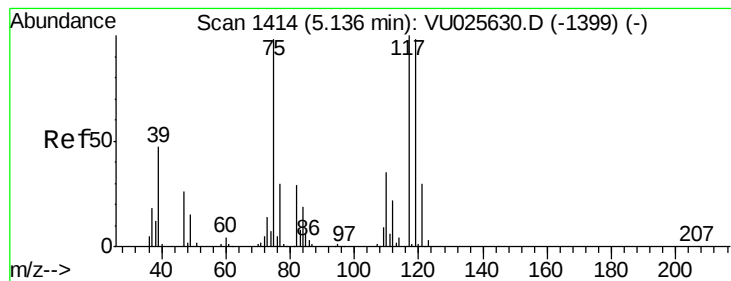


Abundance Ion 97.00 (96.70 to 97.70): VU0

Ion 99.00 (98.70 to 99.70): VU0

Ion 61.00 (60.70 to 61.70): VU0





#29

1,1-Dichloropropene

Concen: 1.995 ug/l

RT: 5.13 min Scan# 1413

Delta R.T. -0.00 min

Lab File: VU025814.D

Acq: 03 Aug 2018 12:50

Instrument :

MSVOA_U

ClientSampleId :

VU0803WBS01

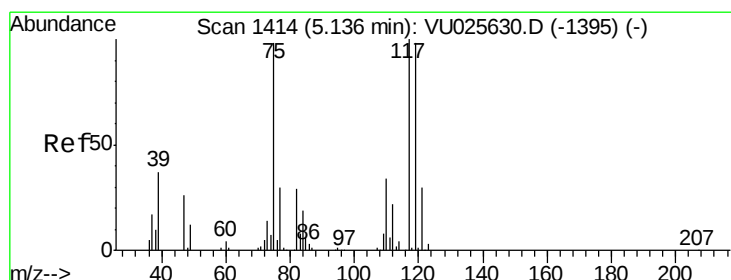
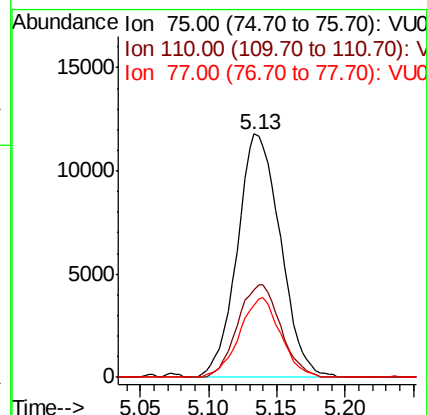
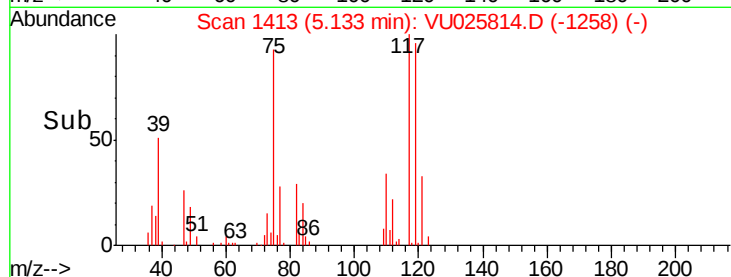
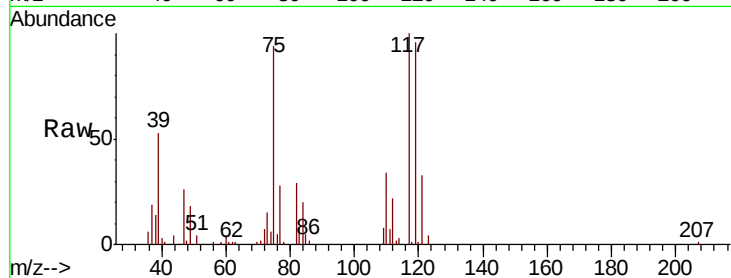
Tgt Ion: 75 Resp: 25870

Ion Ratio Lower Upper

75 100

110 37.9 16.9 50.7

77 31.2 24.8 37.2



#30

Carbon Tetrachloride

Concen: 1.996 ug/l

RT: 5.13 min Scan# 1413

Delta R.T. -0.00 min

Lab File: VU025814.D

Acq: 03 Aug 2018 12:50

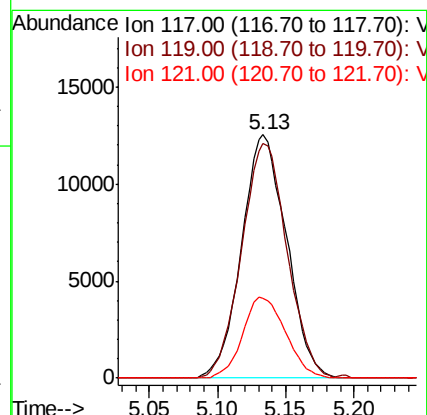
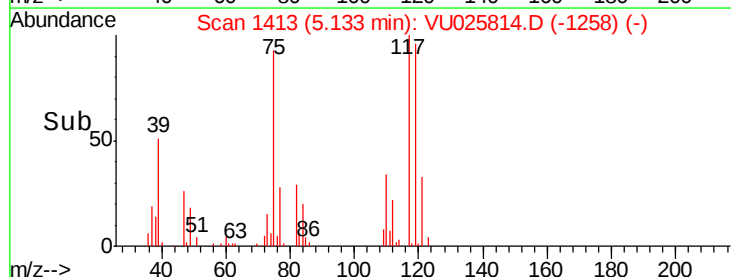
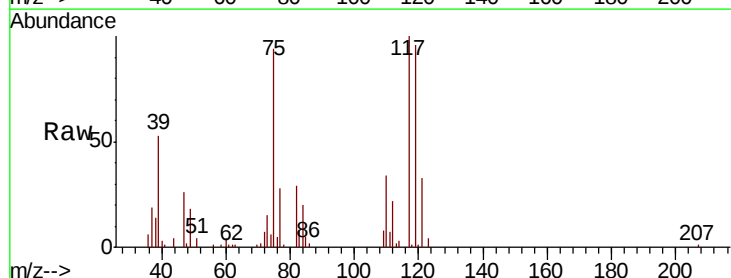
Tgt Ion: 117 Resp: 28657

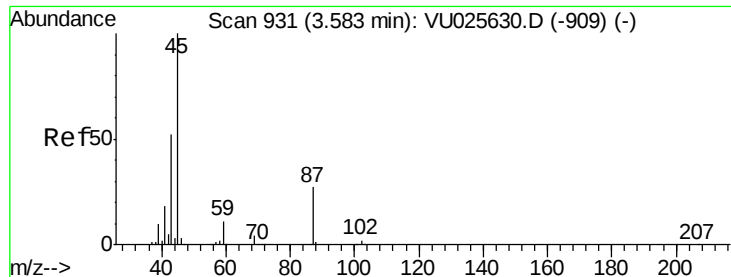
Ion Ratio Lower Upper

117 100

119 96.4 77.3 115.9

121 32.8 24.5 36.7





#31

Isopropyl Ether

Concen: 2.073 ug/l

RT: 3.58 min Scan# 931

Delta R.T. 0.00 min

Lab File: VU025814.D

Acq: 03 Aug 2018 12:50

Instrument :

MSVOA_U

ClientSampleId :

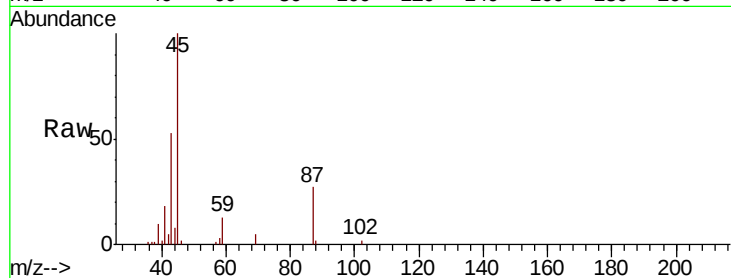
VU0803WBS01

Tgt Ion: 45 Resp: 52985

Ion Ratio Lower Upper

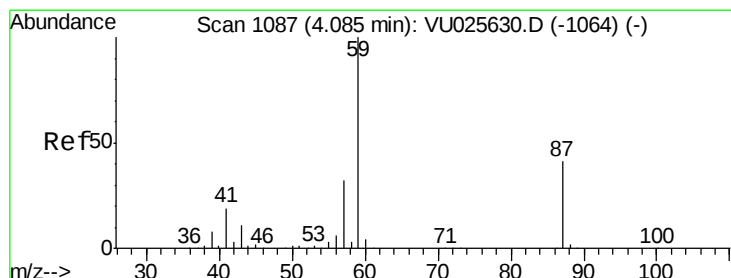
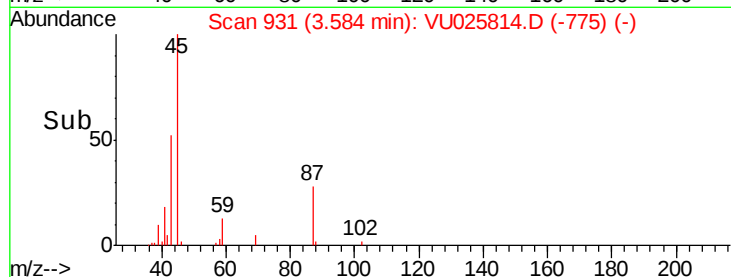
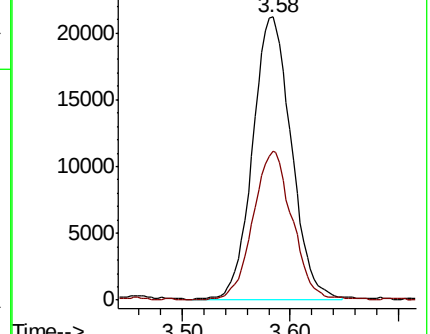
45 100

43 53.3 24.0 72.0



Abundance Ion 45.00 (44.70 to 45.70): VU025630.D (-909) (-)

Ion 43.00 (42.70 to 43.70): VU025630.D (-909) (-)



#32

Ethyl-t-butyl ether

Concen: 1.994 ug/l

RT: 4.08 min Scan# 1085

Delta R.T. -0.01 min

Lab File: VU025814.D

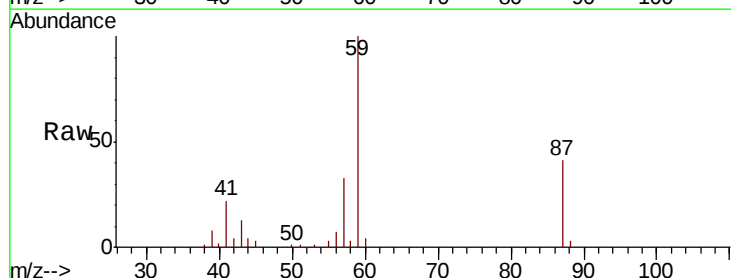
Acq: 03 Aug 2018 12:50

Tgt Ion: 59 Resp: 48438

Ion Ratio Lower Upper

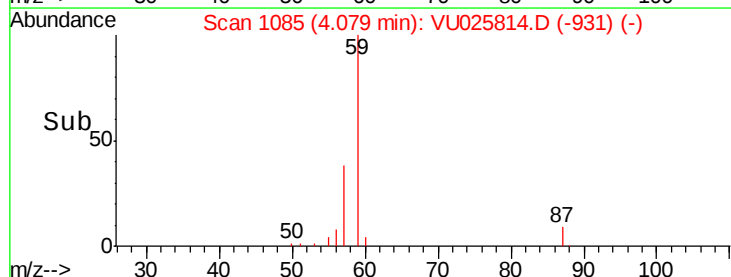
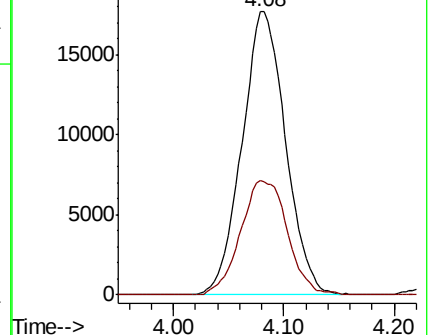
59 100

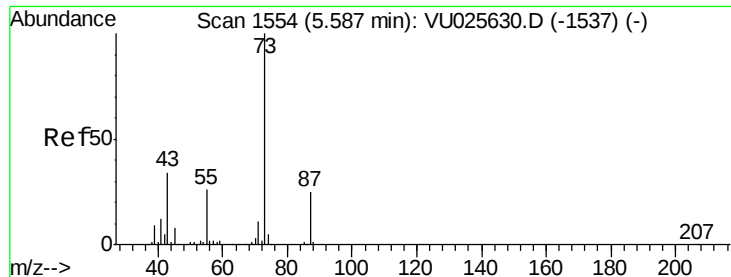
87 43.5 31.0 46.6



Abundance Ion 59.00 (58.70 to 59.70): VU025630.D (-1064) (-)

Ion 87.00 (86.70 to 87.70): VU025630.D (-1064) (-)





#33

Tert-Amyl methyl ether

Concen: 1.929 ug/l

RT: 5.59 min Scan# 1554

Delta R.T. 0.00 min

Lab File: VU025814.D

Acq: 03 Aug 2018 12:50

Instrument :

MSVOA_U

ClientSampleId :

VU0803WBS01

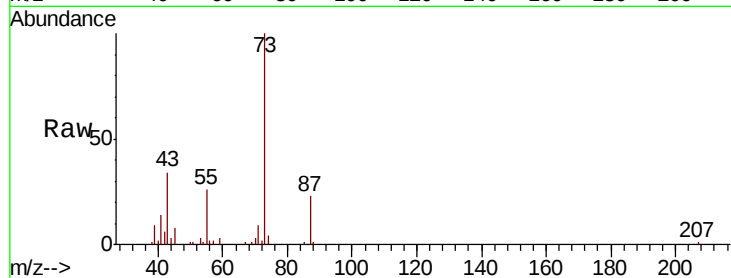
Tgt Ion: 73 Resp: 41357

Ion Ratio Lower Upper

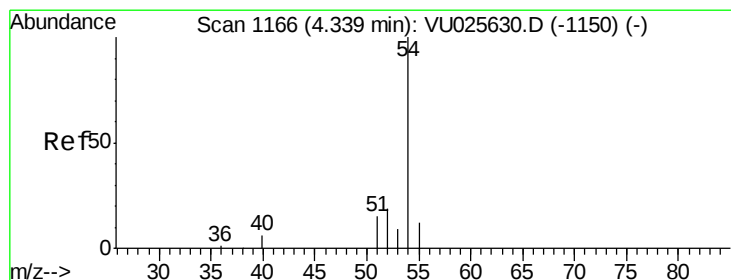
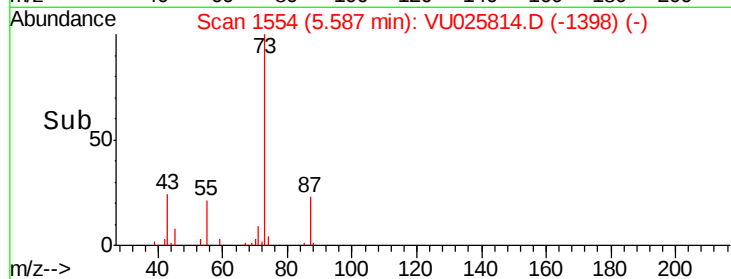
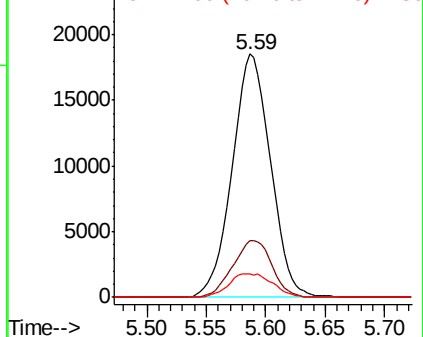
73 100

87 23.7 18.6 28.0

71 11.1 9.3 13.9



Abundance Ion 73.00 (72.70 to 73.70): VU0
Ion 87.00 (86.70 to 87.70): VU0
Ion 71.00 (70.70 to 71.70): VU0



#34

Propionitrile

Concen: 10.324 ug/l

RT: 4.35 min Scan# 1169

Delta R.T. 0.01 min

Lab File: VU025814.D

Acq: 03 Aug 2018 12:50

Tgt Ion: 54 Resp: 6846

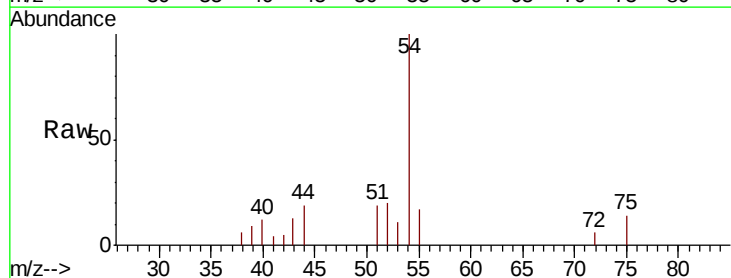
Ion Ratio Lower Upper

54 100

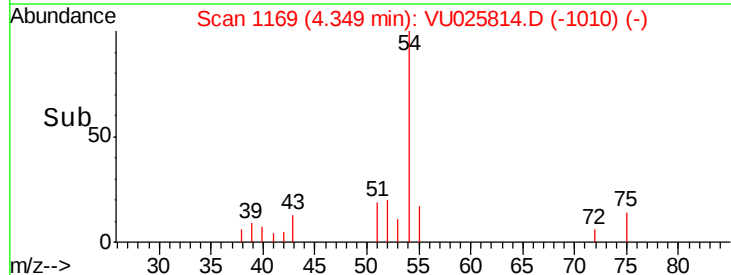
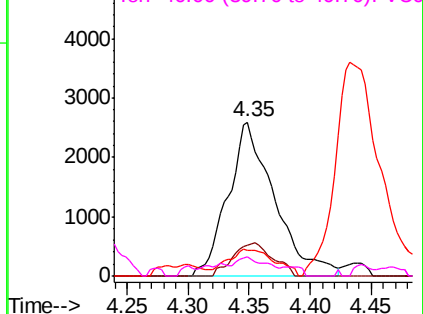
52 18.4 13.7 20.5

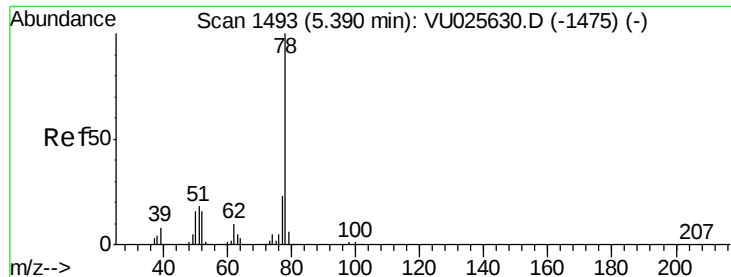
55 17.5 10.2 15.2#

40 3.9 3.5 5.3



Abundance Ion 54.00 (53.70 to 54.70): VU0
Ion 52.00 (51.70 to 52.70): VU0
Ion 55.00 (54.70 to 55.70): VU0
Ion 40.00 (39.70 to 40.70): VU0

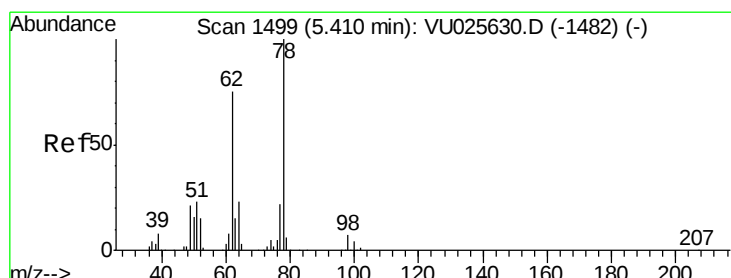
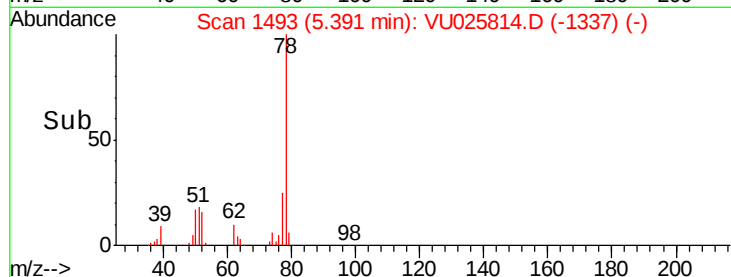
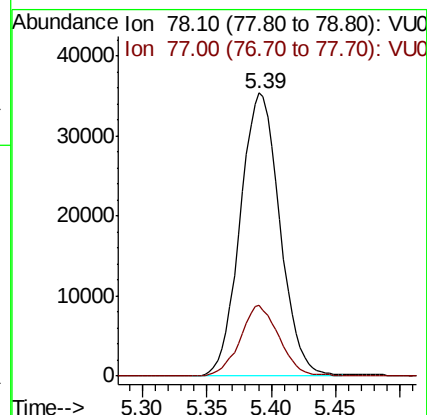
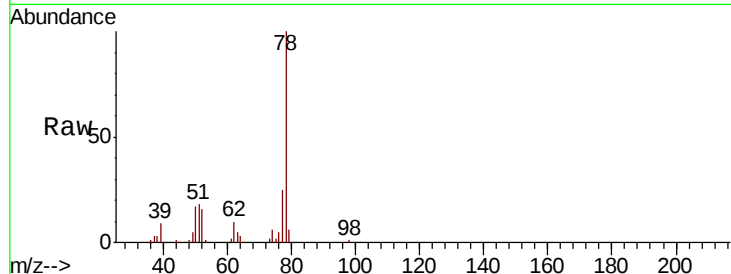




#35
Benzene
Concen: 2.089 ug/l
RT: 5.39 min Scan# 1493
Delta R.T. 0.00 min
Lab File: VU025814.D
Acq: 03 Aug 2018 12:50

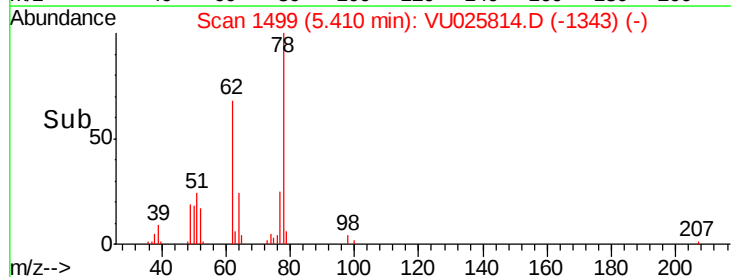
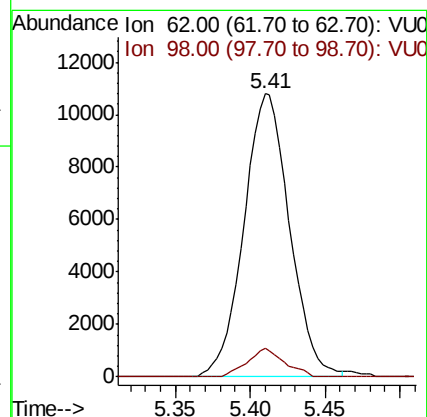
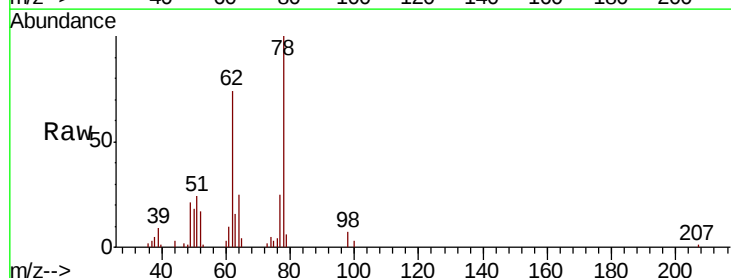
Instrument :
MSVOA_U
ClientSampleId :
VU0803WBS01

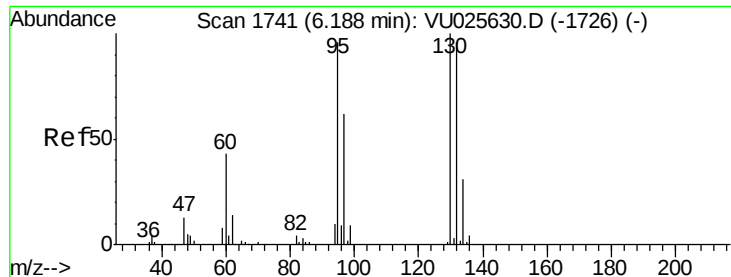
Tgt Ion: 78 Resp: 75713
Ion Ratio Lower Upper
78 100
77 24.9 19.1 28.7



#36
1,2-Dichloroethane
Concen: 2.061 ug/l
RT: 5.41 min Scan# 1499
Delta R.T. 0.00 min
Lab File: VU025814.D
Acq: 03 Aug 2018 12:50

Tgt Ion: 62 Resp: 22936
Ion Ratio Lower Upper
62 100
98 8.2 7.2 10.8

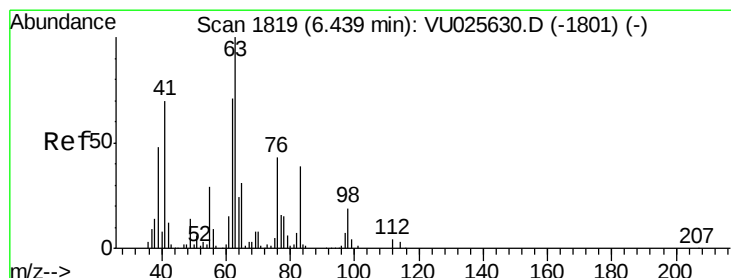
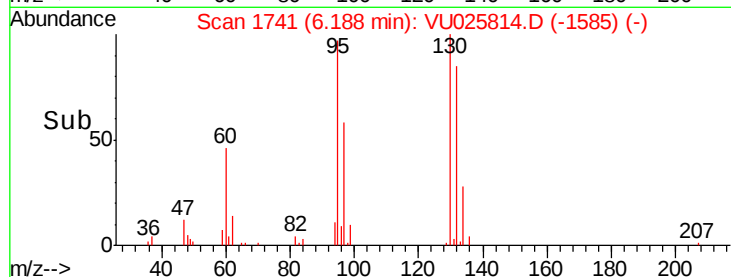
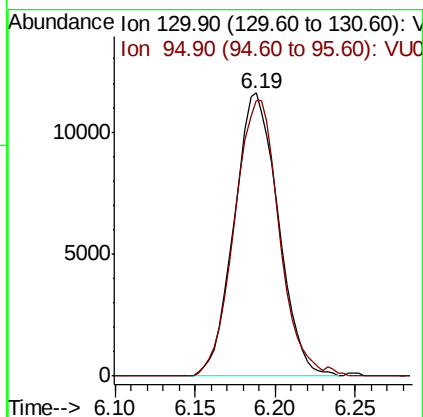
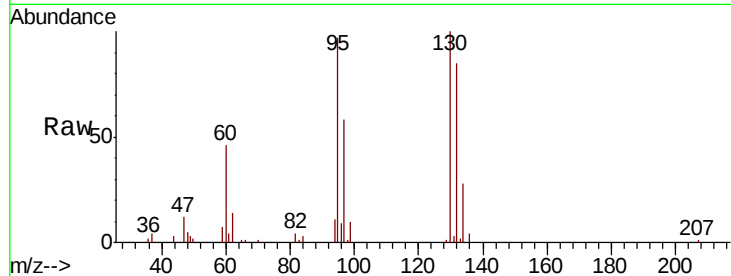




#37
 Trichloroethene
 Concen: 2.039 ug/l
 RT: 6.19 min Scan# 1741
 Delta R.T. 0.00 min
 Lab File: VU025814.D
 Acq: 03 Aug 2018 12:50

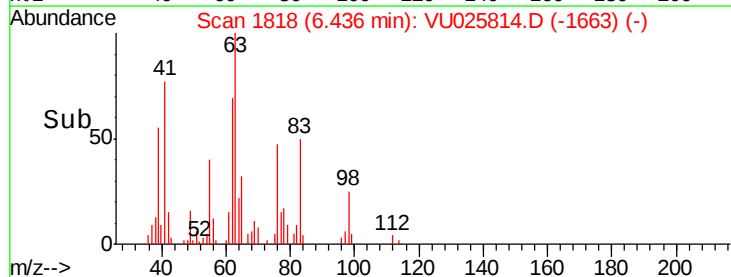
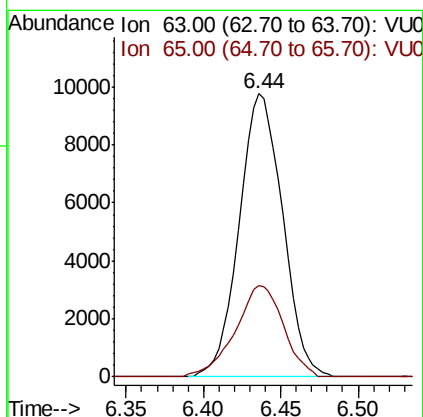
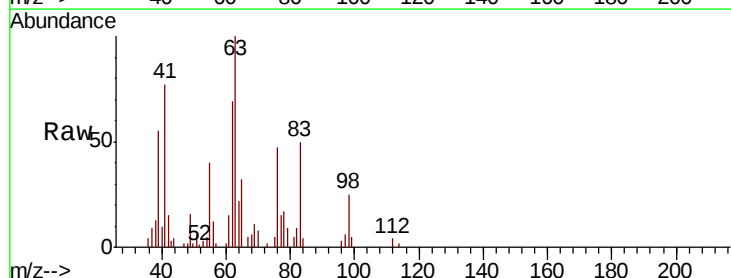
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0803WBS01

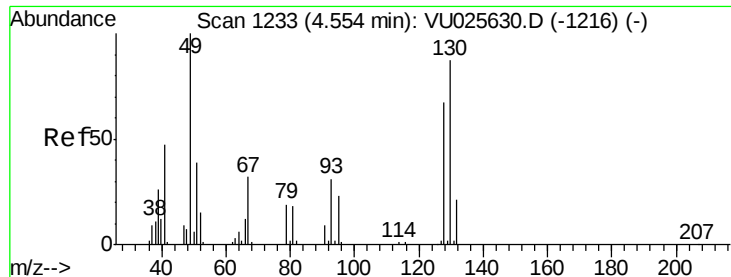
Tgt Ion: 130 Resp: 21768
 Ion Ratio Lower Upper
 130 100
 95 97.3 77.9 116.9



#38
 1,2-Dichloropropane
 Concen: 2.026 ug/l
 RT: 6.44 min Scan# 1818
 Delta R.T. -0.00 min
 Lab File: VU025814.D
 Acq: 03 Aug 2018 12:50

Tgt Ion: 63 Resp: 19057
 Ion Ratio Lower Upper
 63 100
 65 32.4 25.8 38.8

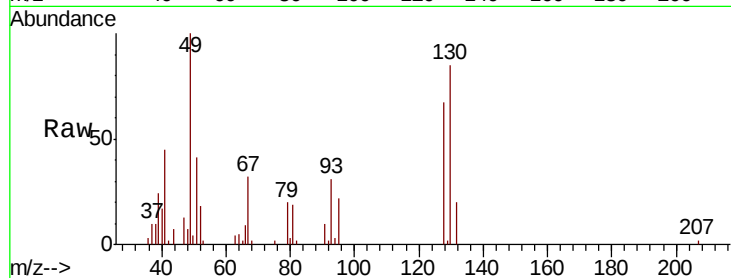




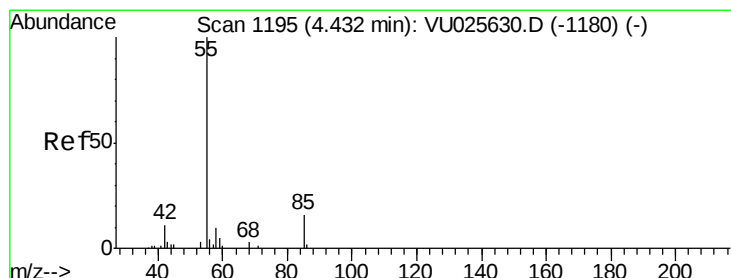
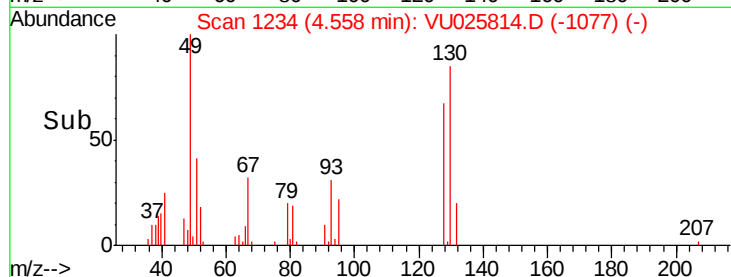
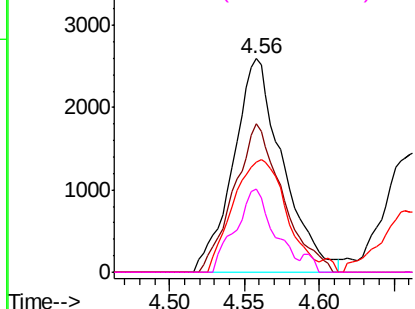
#39
Methacrylonitrile
Concen: 1.963 ug/l
RT: 4.56 min Scan# 1234
Delta R.T. 0.00 min
Lab File: VU025814.D
Acq: 03 Aug 2018 12:50

Instrument :
MSVOA_U
ClientSampleId :
VU0803WBS01

Tgt Ion:	41	Resp:	5993
Ion	Ratio	Lower	Upper
41	100		
67	68.0	51.3	76.9
39	56.4	40.6	60.8
52	30.4	21.5	32.3

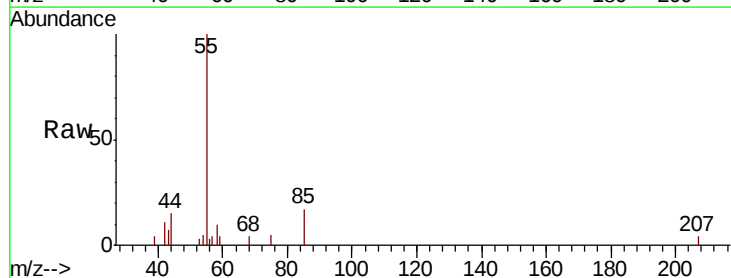


Abundance Ion 41.00 (40.70 to 41.70): VU0
Ion 67.00 (66.70 to 67.70): VU0
Ion 39.00 (38.70 to 39.70): VU0
Ion 52.00 (51.70 to 52.70): VU0

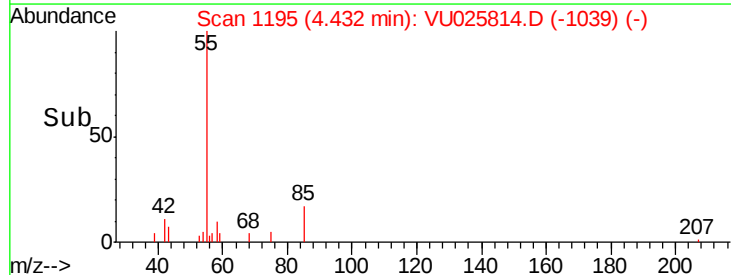
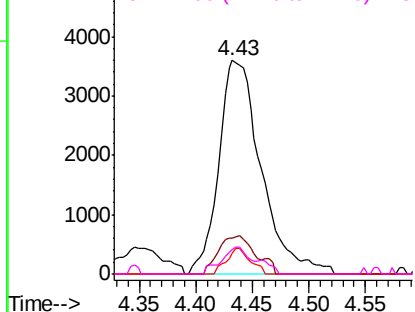


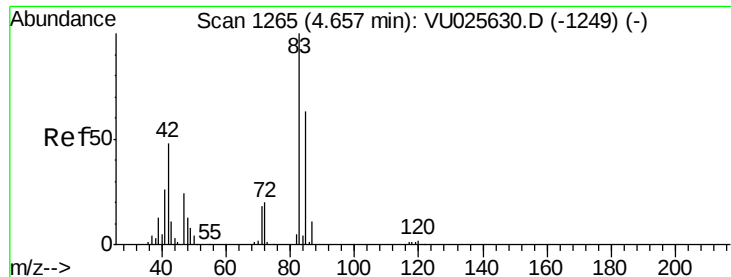
#40
Methyl acrylate
Concen: 2.039 ug/l
RT: 4.43 min Scan# 1195
Delta R.T. 0.00 min
Lab File: VU025814.D
Acq: 03 Aug 2018 12:50

Tgt Ion:	55	Resp:	9389
Ion	Ratio	Lower	Upper
55	100		
85	15.6	12.3	18.5
58	6.6	7.0	10.6#
42	10.1	7.0	10.4



Abundance Ion 55.00 (54.70 to 55.70): VU0
Ion 85.00 (84.70 to 85.70): VU0
Ion 58.00 (57.70 to 58.70): VU0
Ion 42.00 (41.70 to 42.70): VU0

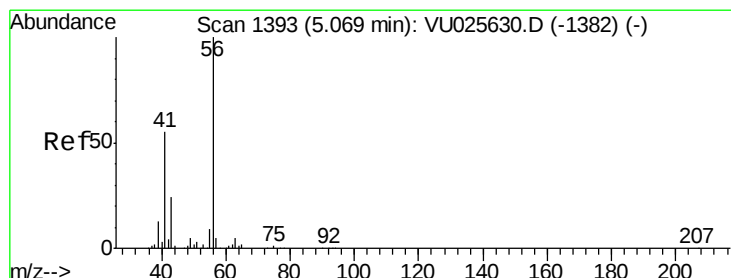
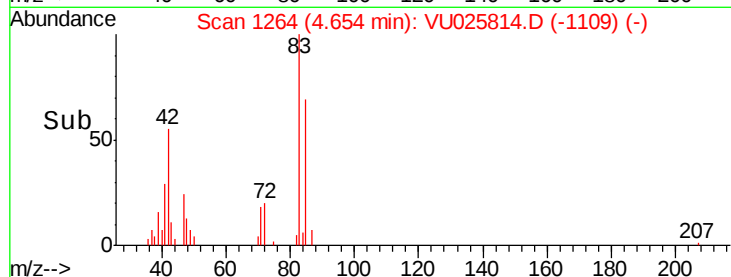
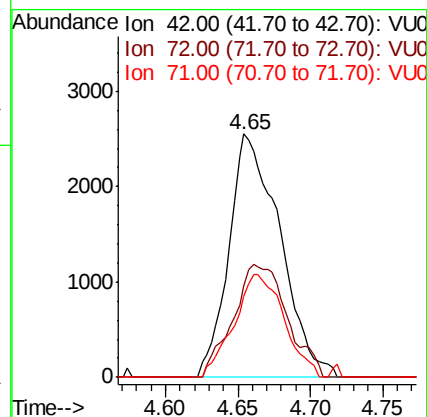
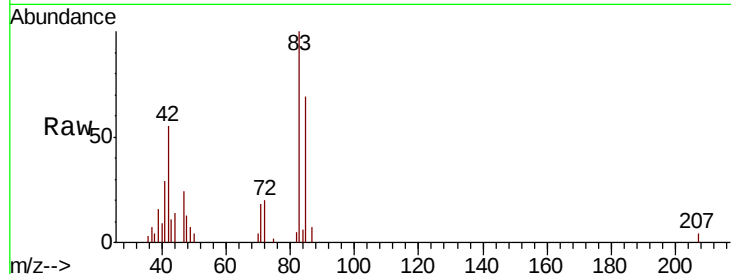




#41
Tetrahydrofuran
Concen: 3.454 ug/l
RT: 4.65 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VU025814.D
Acq: 03 Aug 2018 12:50

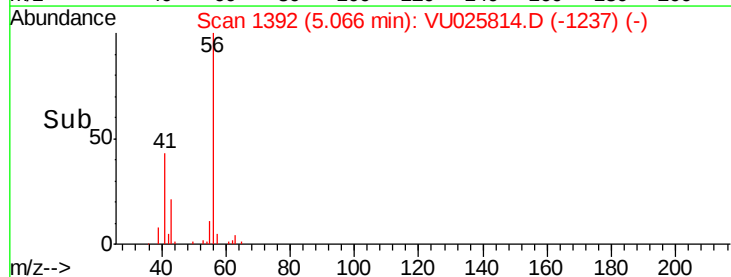
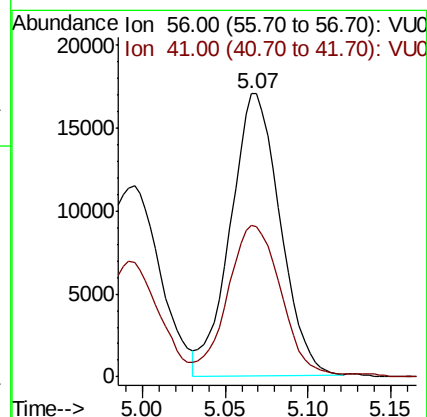
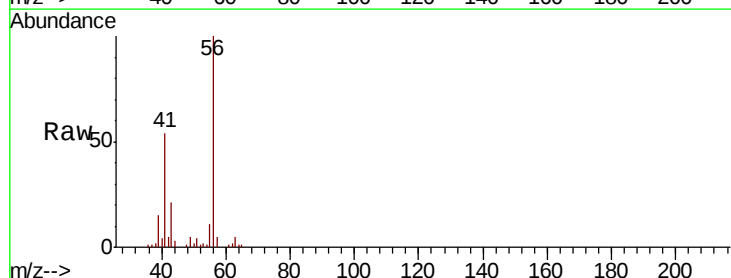
Instrument :
MSVOA_U
ClientSampleId :
VU0803WBS01

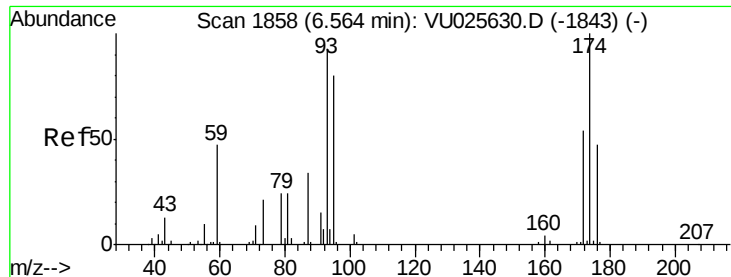
Tgt Ion: 42 Resp: 6230
Ion Ratio Lower Upper
42 100
72 49.2 33.2 49.8
71 41.4 29.8 44.8



#42
1-Chlorobutane
Concen: 2.001 ug/l
RT: 5.07 min Scan# 1392
Delta R.T. -0.00 min
Lab File: VU025814.D
Acq: 03 Aug 2018 12:50

Tgt Ion: 56 Resp: 35359
Ion Ratio Lower Upper
56 100
41 56.1 27.5 82.5





#43

Dibromomethane

Concen: 1.973 ug/l

RT: 6.56 min Scan# 1858

Delta R.T. 0.00 min

Lab File: VU025814.D

Acq: 03 Aug 2018 12:50

Instrument :

MSVOA_U

ClientSampleId :

VU0803WBS01

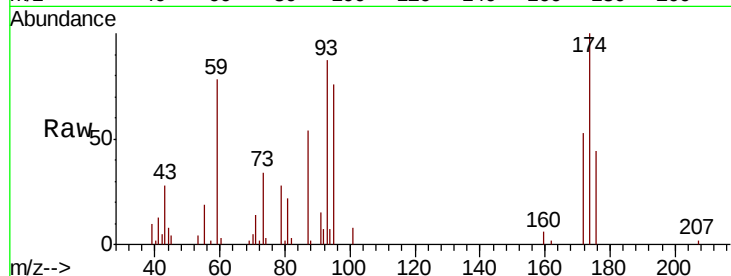
Tgt Ion: 93 Resp: 9689

Ion Ratio Lower Upper

93 100

95 83.5 67.2 100.8

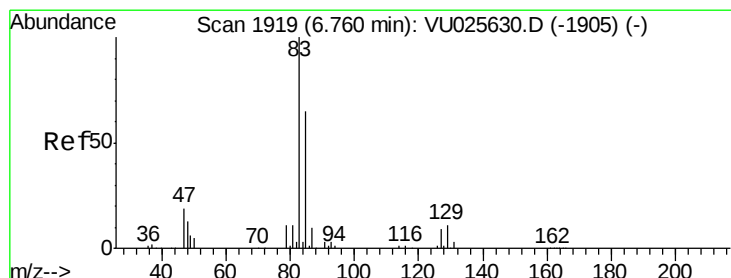
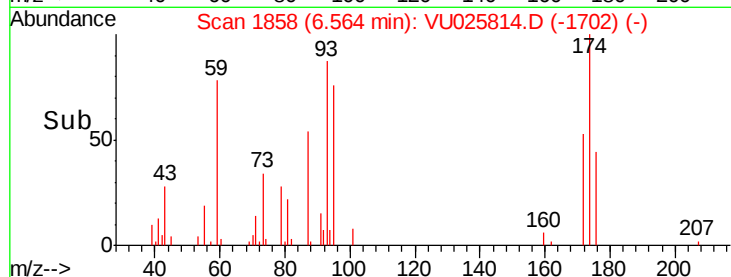
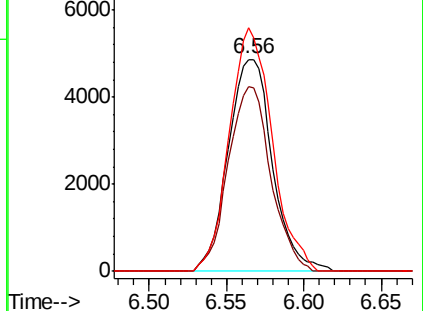
174 110.8 82.8 124.2



Abundance Ion 93.00 (92.70 to 93.70): VU025630.D (-1843) (-)

Ion 95.00 (94.70 to 95.70): VU025630.D (-1843) (-)

Ion 174.00 (173.70 to 174.70): VU025630.D (-1843) (-)



#44

Bromodichloromethane

Concen: 2.048 ug/l

RT: 6.76 min Scan# 1919

Delta R.T. 0.00 min

Lab File: VU025814.D

Acq: 03 Aug 2018 12:50

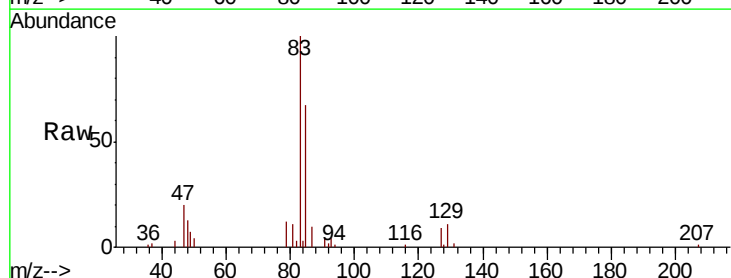
Tgt Ion: 83 Resp: 25483

Ion Ratio Lower Upper

83 100

85 67.4 52.2 78.4

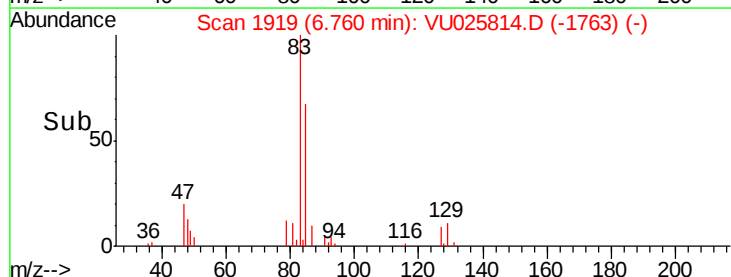
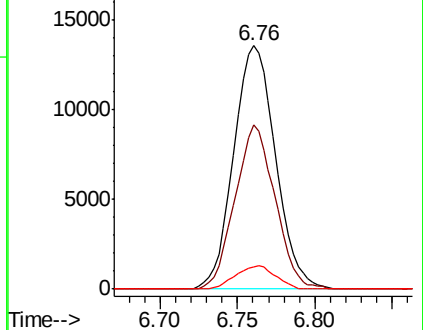
127 9.2 7.0 10.4

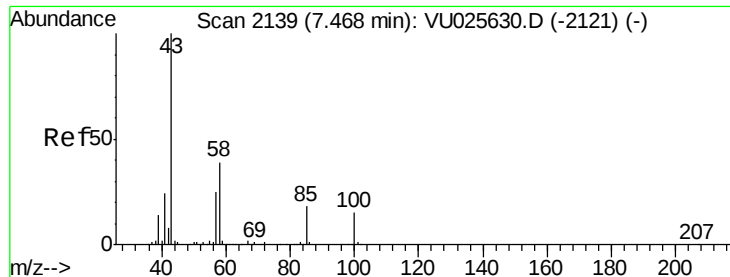


Abundance Ion 83.00 (82.70 to 83.70): VU025630.D (-1905) (-)

Ion 85.00 (84.70 to 85.70): VU025630.D (-1905) (-)

Ion 127.00 (126.70 to 127.70): VU025630.D (-1905) (-)

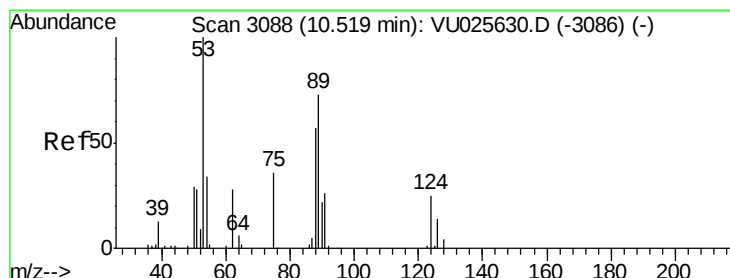
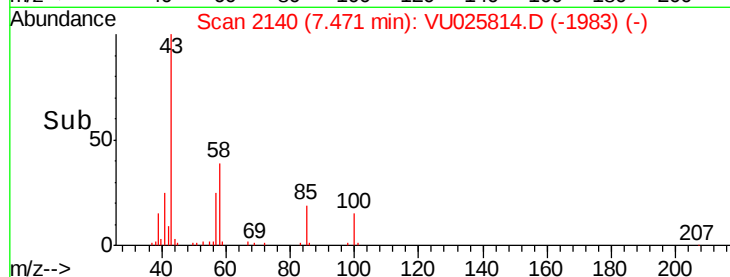
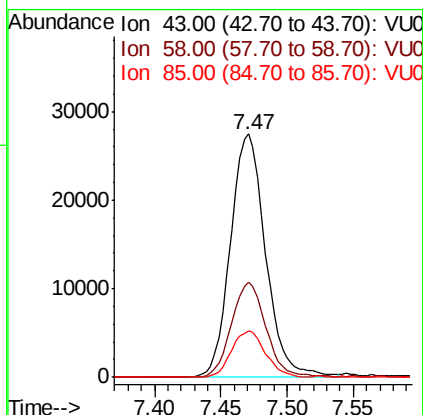
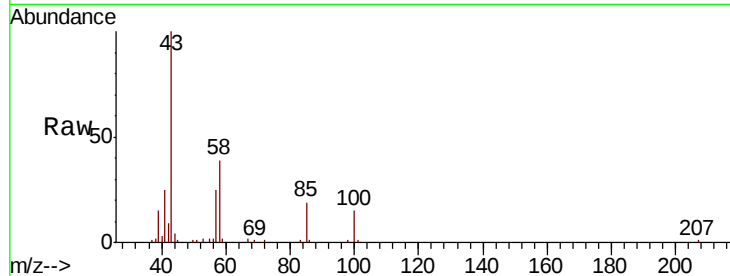




#45
 4-Methyl-2-Pentanone
 Concen: 9.253 ug/l
 RT: 7.47 min Scan# 2140
 Delta R.T. 0.00 min
 Lab File: VU025814.D
 Acq: 03 Aug 2018 12:50

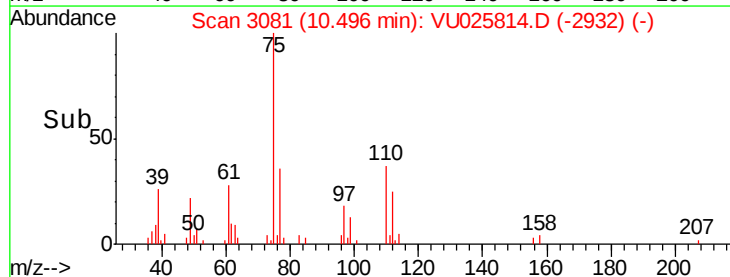
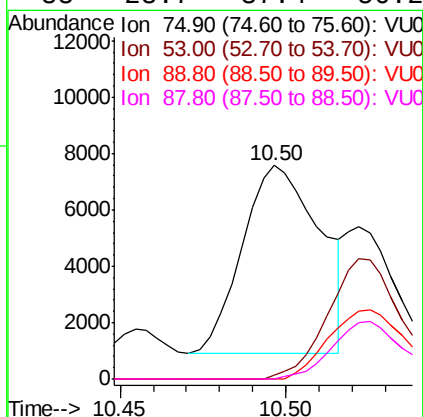
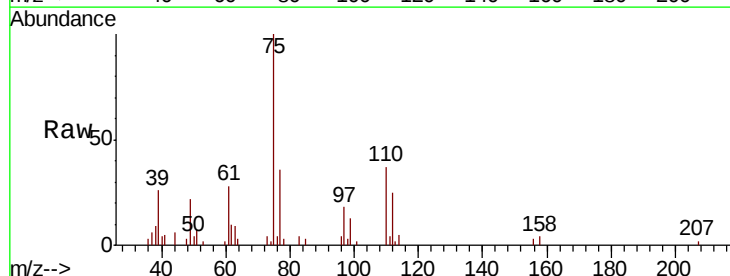
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0803WBS01

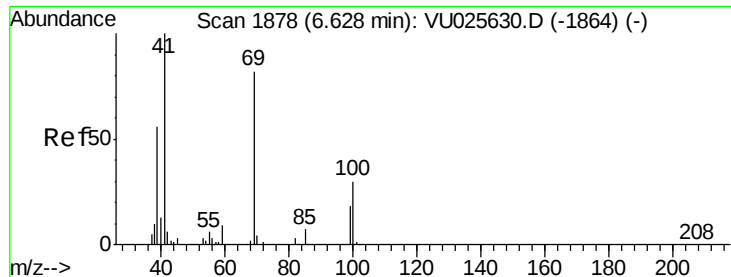
Tgt Ion	Ratio	Lower	Upper
43	100		
58	38.5	18.8	56.4
85	18.3	12.6	19.0



#46
 t-1,4-Dichloro-2-butene
 Concen: 5.843 ug/l
 RT: 10.50 min Scan# 3081
 Delta R.T. -0.02 min
 Lab File: VU025814.D
 Acq: 03 Aug 2018 12:50

Tgt Ion	Ratio	Lower	Upper
75	100		
53	61.0	82.2	123.4#
89	38.3	51.3	76.9#
88	28.7	37.4	56.2#

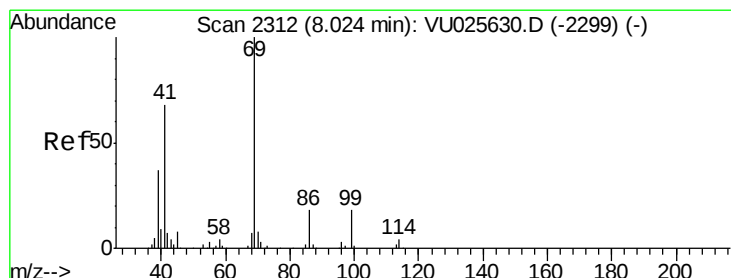
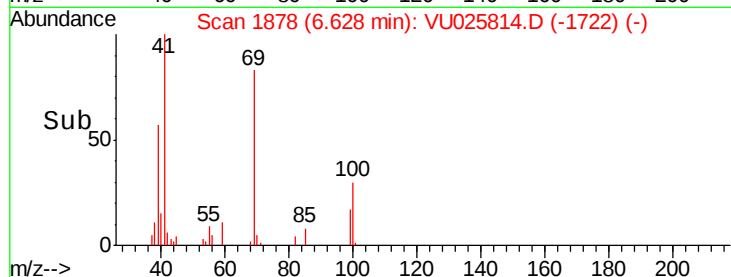
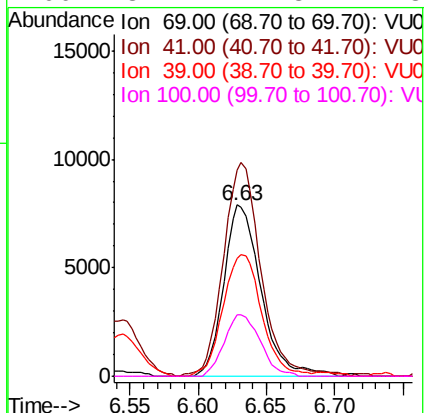
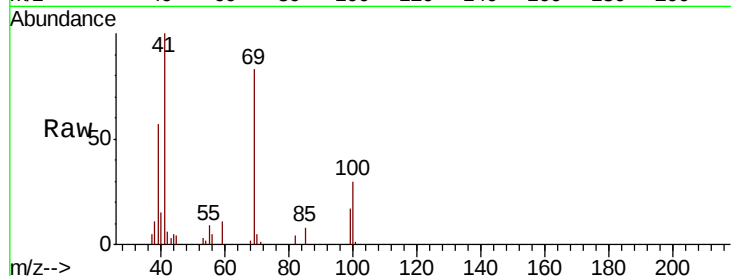




#47
Methyl methacrylate
Concen: 3.656 ug/l
RT: 6.63 min Scan# 1878
Delta R.T. 0.00 min
Lab File: VU025814.D
Acq: 03 Aug 2018 12:50

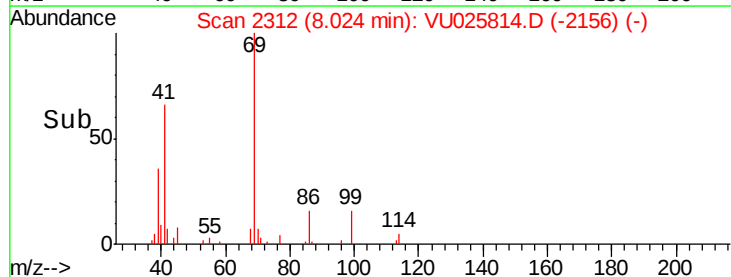
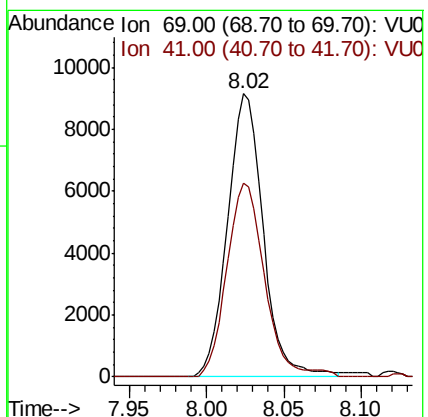
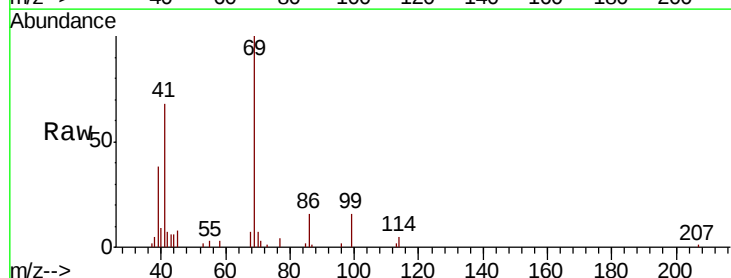
Instrument :
MSVOA_U
ClientSampleId :
VU0803WBS01

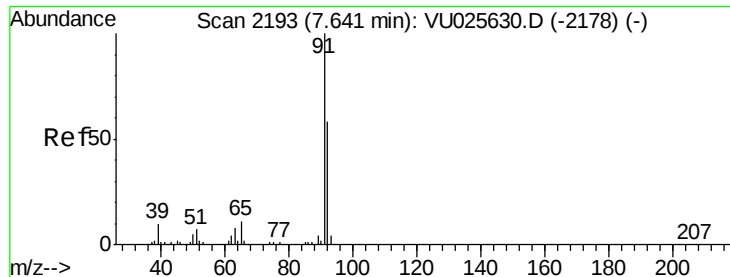
Tgt Ion: 69 Resp: 15011
Ion Ratio Lower Upper
69 100
41 126.0 0.0 245.4
39 73.7 49.0 73.4#
100 34.7 27.8 41.8



#48
Ethyl methacrylate
Concen: 1.773 ug/l
RT: 8.02 min Scan# 2312
Delta R.T. 0.00 min
Lab File: VU025814.D
Acq: 03 Aug 2018 12:50

Tgt Ion: 69 Resp: 14625
Ion Ratio Lower Upper
69 100
41 72.4 34.2 102.5





#49

Toluene

Concen: 1.989 ug/l

RT: 7.64 min Scan# 2192

Delta R.T. -0.00 min

Lab File: VU025814.D

Acq: 03 Aug 2018 12:50

Instrument :

MSVOA_U

ClientSampleId :

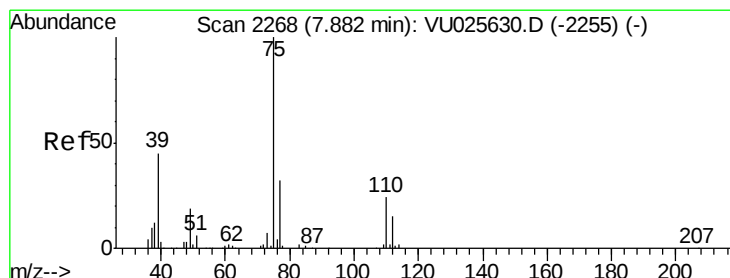
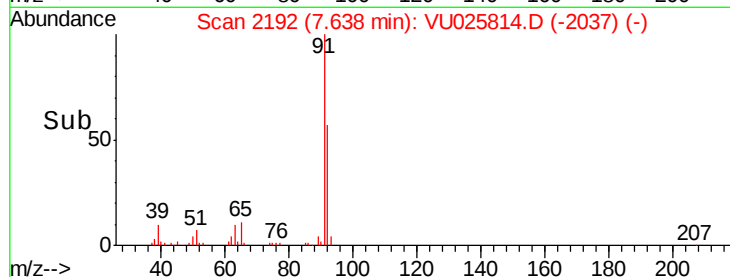
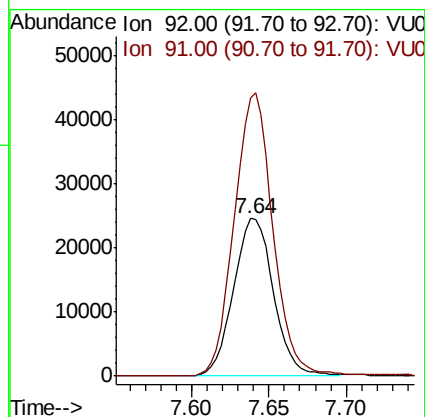
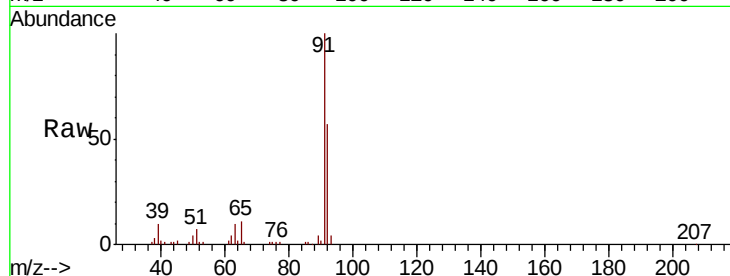
VU0803WBS01

Tgt Ion: 92 Resp: 44053

Ion Ratio Lower Upper

92 100

91 174.5 137.1 205.7



#50

t-1,3-Dichloropropene

Concen: 1.952 ug/l

RT: 7.89 min Scan# 2269

Delta R.T. 0.00 min

Lab File: VU025814.D

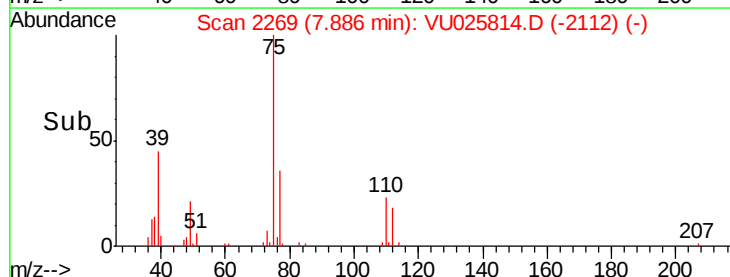
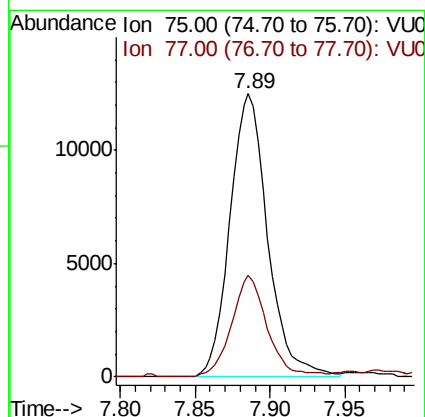
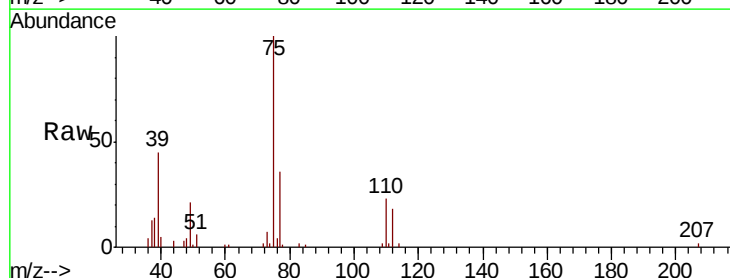
Acq: 03 Aug 2018 12:50

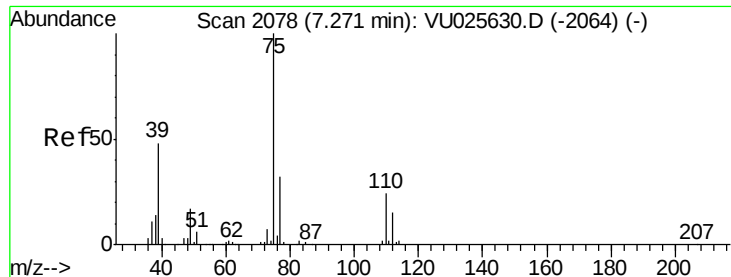
Tgt Ion: 75 Resp: 21923

Ion Ratio Lower Upper

75 100

77 36.0 25.2 37.8



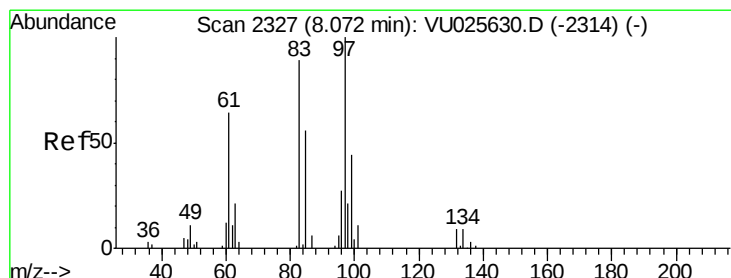
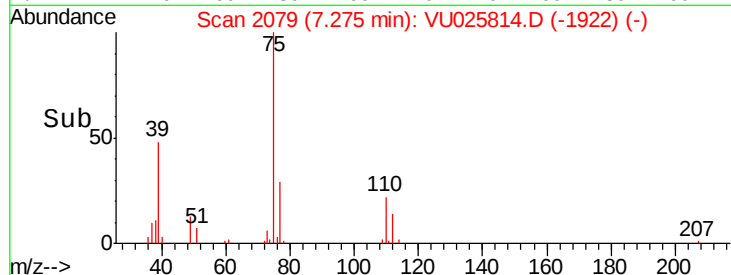
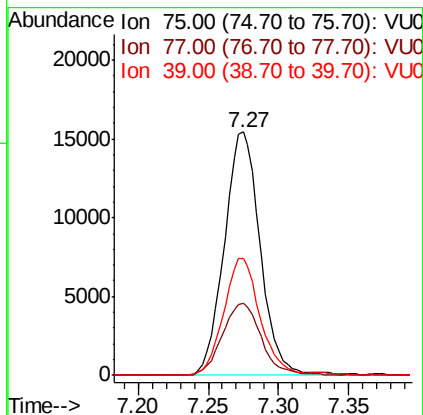
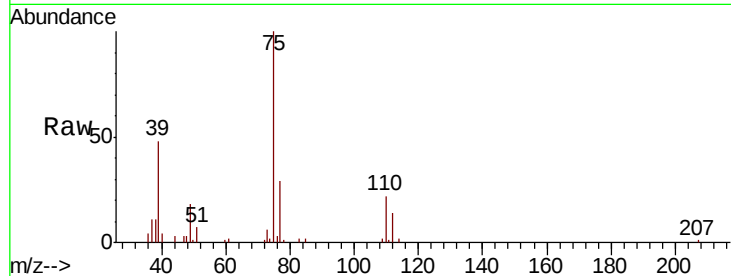


#51

cis-1,3-Dichloropropene
 Concen: 2.033 ug/l
 RT: 7.27 min Scan# 2079
 Delta R.T. 0.00 min
 Lab File: VU025814.D
 Acq: 03 Aug 2018 12:50

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0803WBS01

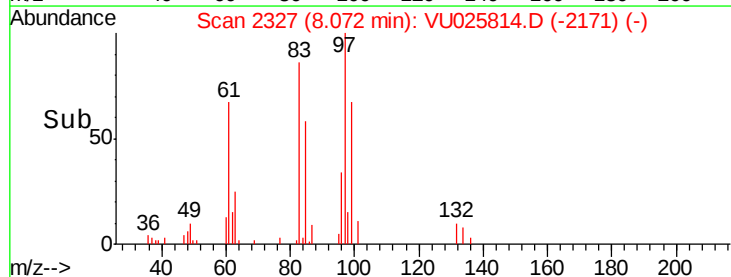
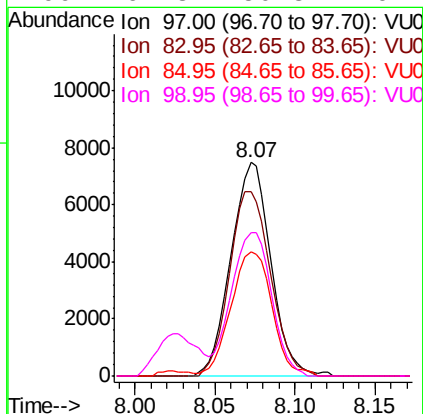
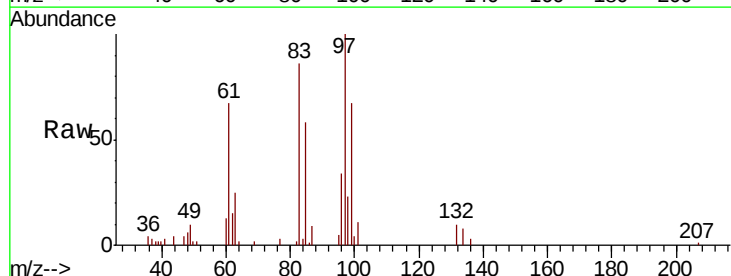
Tgt Ion	Ratio	Lower	Upper
75	100		
77	29.4	25.2	37.8
39	47.9	36.4	54.6

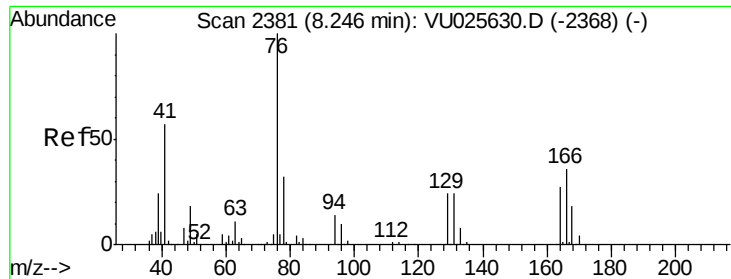


#52

1,1,2-Trichloroethane
 Concen: 1.928 ug/l
 RT: 8.07 min Scan# 2327
 Delta R.T. 0.00 min
 Lab File: VU025814.D
 Acq: 03 Aug 2018 12:50

Tgt Ion	Ratio	Lower	Upper
97	100		
83	86.2	72.6	109.0
85	57.9	47.2	70.8
99	67.3	50.8	76.2

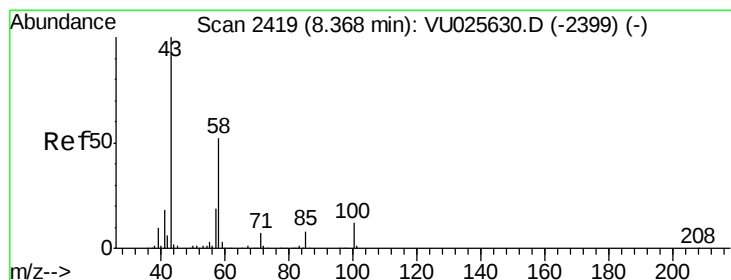
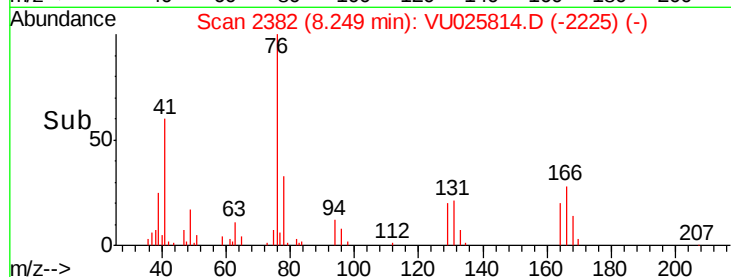
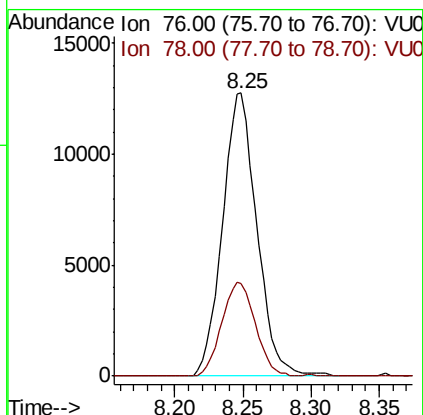
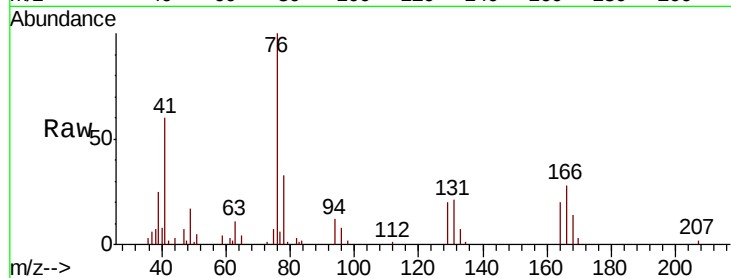




#53
 1,3-Dichloropropane
 Concen: 2.006 ug/l
 RT: 8.25 min Scan# 2382
 Delta R.T. 0.00 min
 Lab File: VU025814.D
 Acq: 03 Aug 2018 12:50

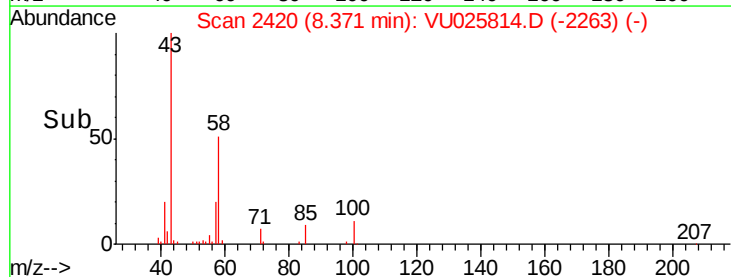
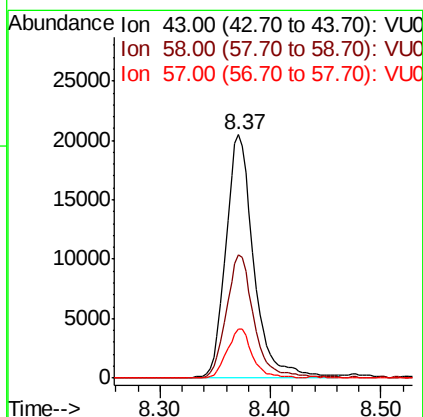
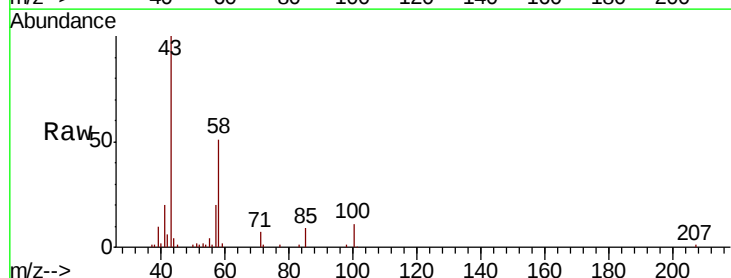
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0803WBS01

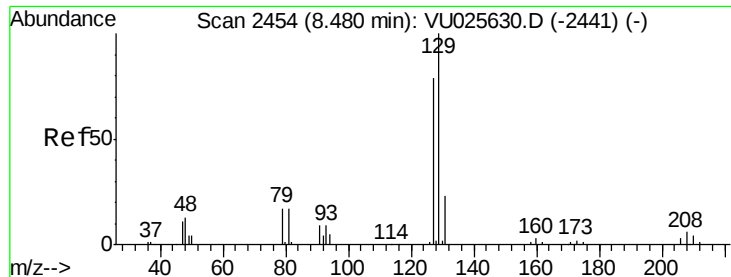
Tgt Ion: 76 Resp: 22297
 Ion Ratio Lower Upper
 76 100
 78 32.2 25.7 38.5



#54
 2-Hexanone
 Concen: 9.329 ug/l
 RT: 8.37 min Scan# 2420
 Delta R.T. 0.00 min
 Lab File: VU025814.D
 Acq: 03 Aug 2018 12:50

Tgt Ion: 43 Resp: 36078
 Ion Ratio Lower Upper
 43 100
 58 50.0 32.5 72.5
 57 18.3 0.0 37.9





#55

Dibromochloromethane

Concen: 2.041 ug/l

RT: 8.48 min Scan# 2454

Delta R.T. 0.00 min

Lab File: VU025814.D

Acq: 03 Aug 2018 12:50

Instrument :

MSVOA_U

ClientSampleId :

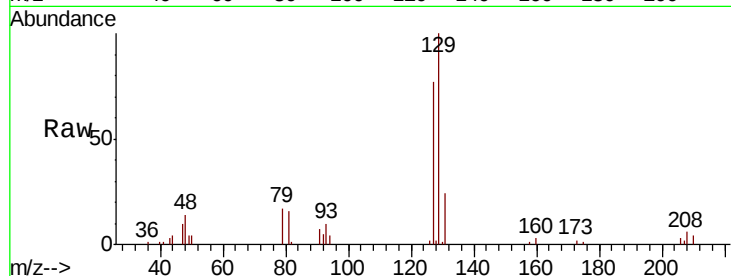
VU0803WBS01

Tgt Ion:129 Resp: 17085

Ion Ratio Lower Upper

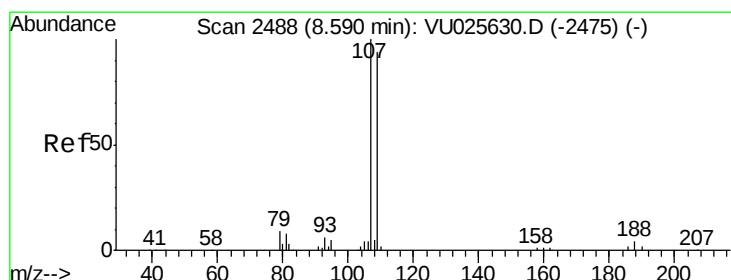
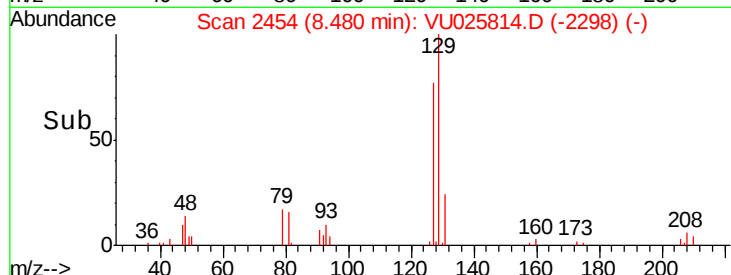
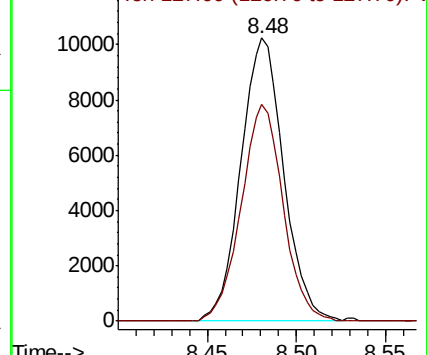
129 100

127 75.1 61.1 91.7



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#56

1,2-Dibromoethane

Concen: 2.036 ug/l

RT: 8.59 min Scan# 2488

Delta R.T. 0.00 min

Lab File: VU025814.D

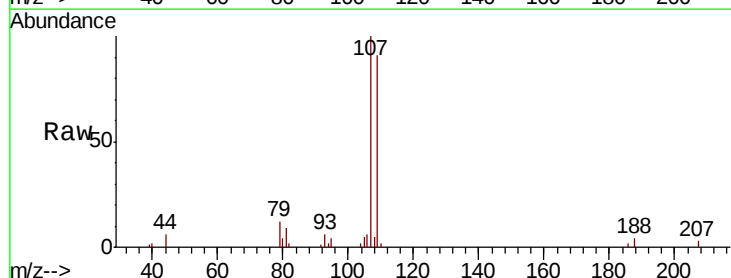
Acq: 03 Aug 2018 12:50

Tgt Ion:107 Resp: 12970

Ion Ratio Lower Upper

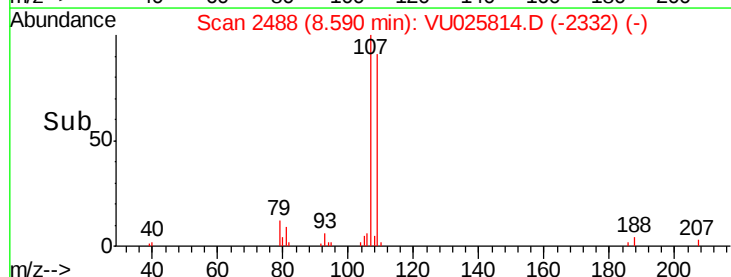
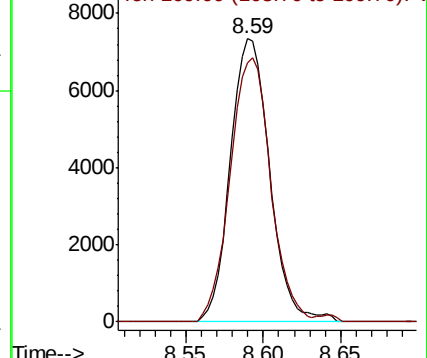
107 100

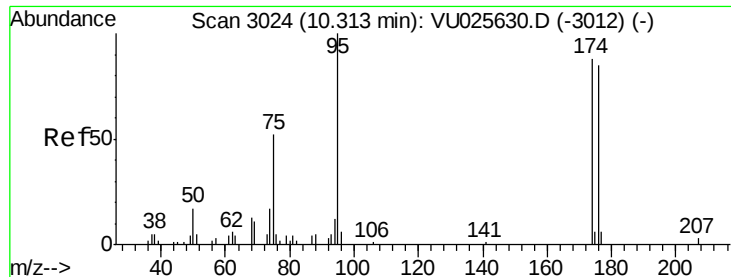
109 95.8 0.0 189.0



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

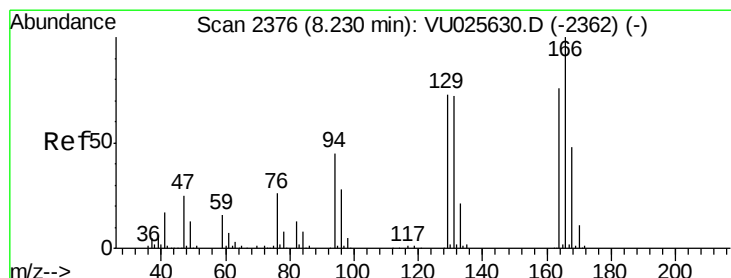
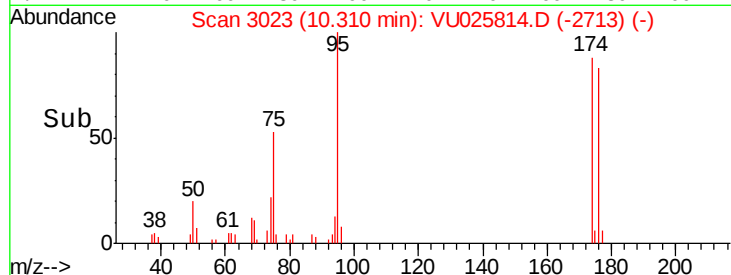
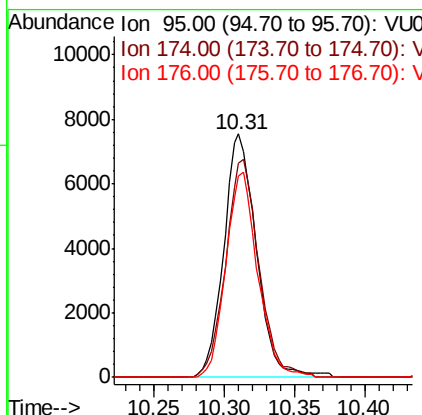
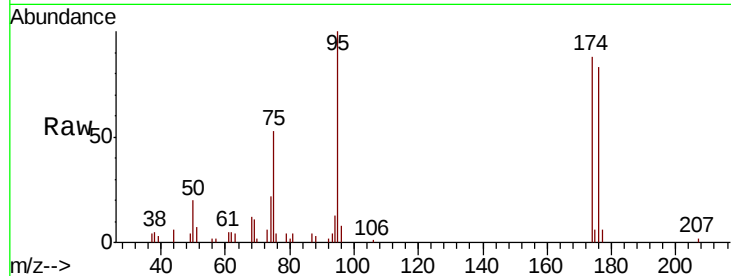




#57
4-Bromofluorobenzene
Concen: 2.036 ug/l
RT: 10.31 min Scan# 3023
Delta R.T. -0.00 min
Lab File: VU025814.D
Acq: 03 Aug 2018 12:50

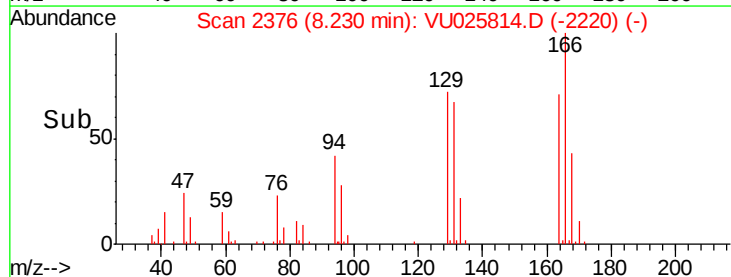
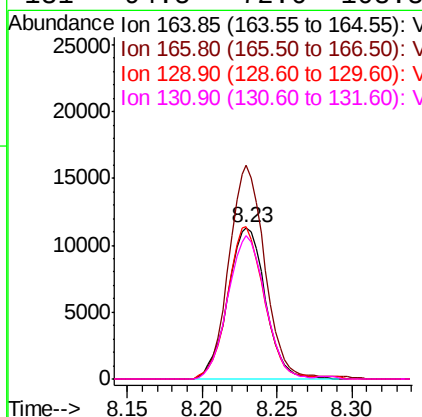
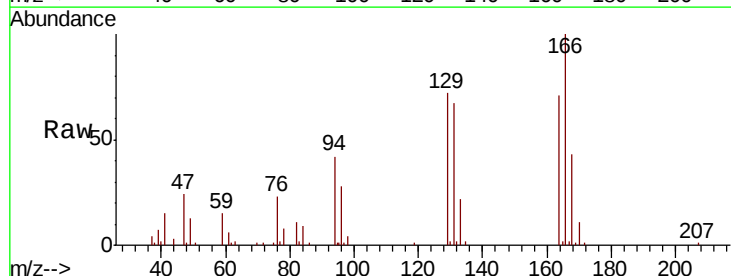
Instrument :
MSVOA_U
ClientSampleId :
VU0803WBS01

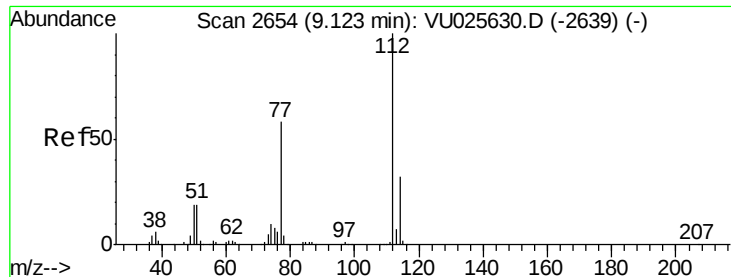
Tgt Ion: 95 Resp: 12212
Ion Ratio Lower Upper
95 100
174 91.0 65.6 98.4
176 82.3 62.0 93.0



#58
Tetrachloroethene
Concen: 2.059 ug/l
RT: 8.23 min Scan# 2376
Delta R.T. 0.00 min
Lab File: VU025814.D
Acq: 03 Aug 2018 12:50

Tgt Ion: 164 Resp: 19765
Ion Ratio Lower Upper
164 100
166 140.8 104.1 156.1
129 100.8 76.8 115.2
131 94.5 72.6 108.8





#59

Chlorobenzene

Concen: 1.984 ug/l

RT: 9.12 min Scan# 2654

Delta R.T. 0.00 min

Lab File: VU025814.D

Acq: 03 Aug 2018 12:50

Instrument :

MSVOA_U

ClientSampleId :

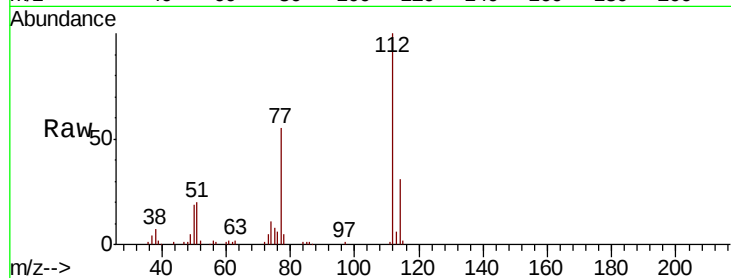
VU0803WBS01

Tgt Ion:112 Resp: 50537

Ion Ratio Lower Upper

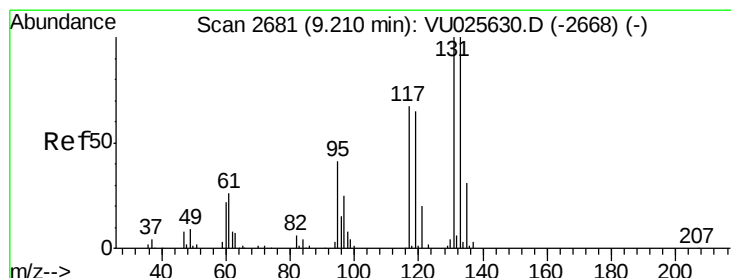
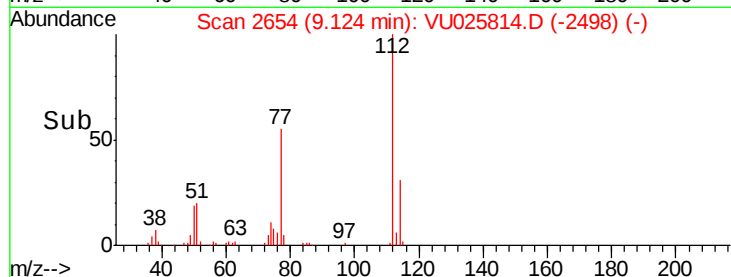
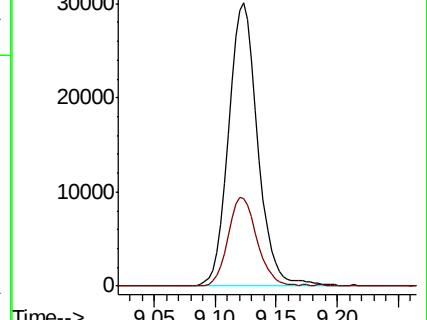
112 100

114 31.0 25.4 38.2



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V



#60

1,1,1,2-Tetrachloroethane

Concen: 2.009 ug/l

RT: 9.21 min Scan# 2681

Delta R.T. 0.00 min

Lab File: VU025814.D

Acq: 03 Aug 2018 12:50

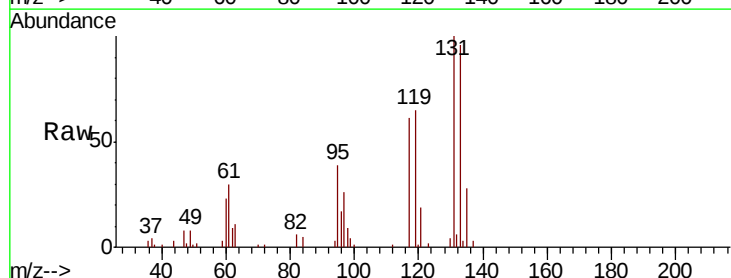
Tgt Ion:131 Resp: 19001

Ion Ratio Lower Upper

131 100

133 98.8 75.8 113.8

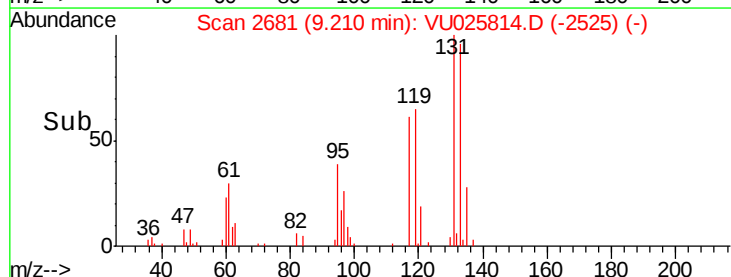
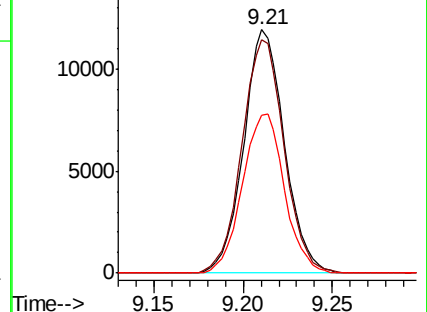
119 67.2 53.0 79.6

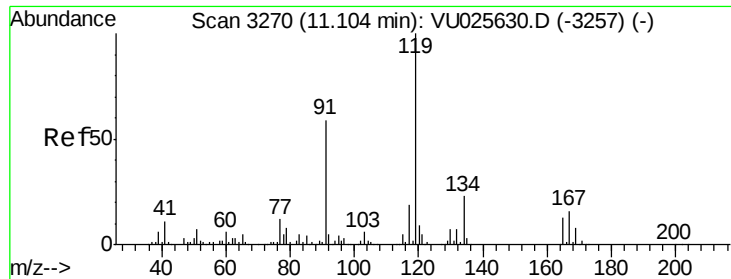


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V





#61

Pentachloroethane

Concen: 2.007 ug/l

RT: 11.10 min Scan# 3270

Delta R.T. 0.00 min

Lab File: VU025814.D

Acq: 03 Aug 2018 12:50

Instrument :

MSVOA_U

ClientSampleId :

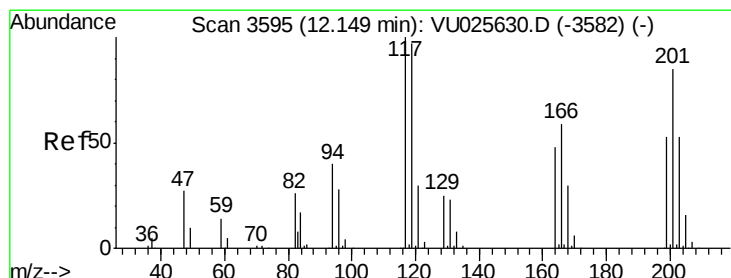
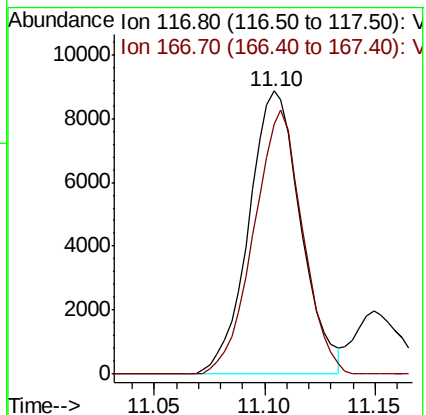
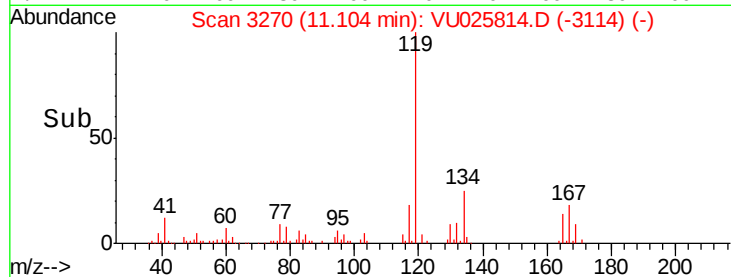
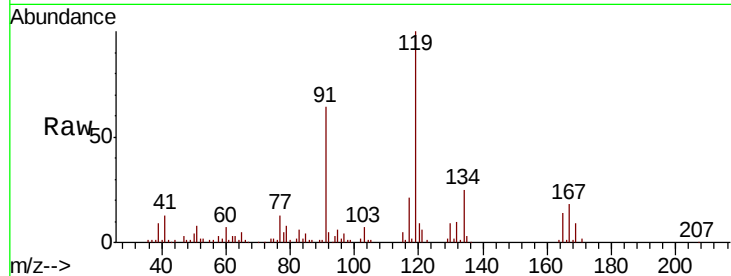
VU0803WBS01

Tgt Ion:117 Resp: 14489

Ion Ratio Lower Upper

117 100

167 87.9 69.2 103.8



#62

Hexachloroethane

Concen: 1.923 ug/l

RT: 12.15 min Scan# 3595

Delta R.T. 0.00 min

Lab File: VU025814.D

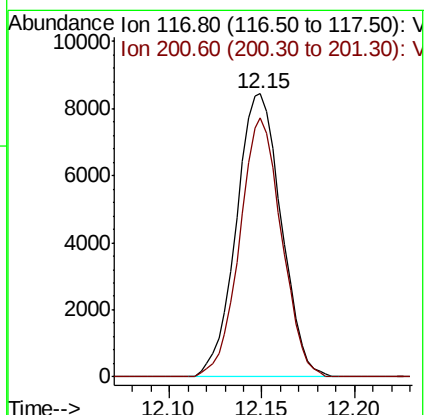
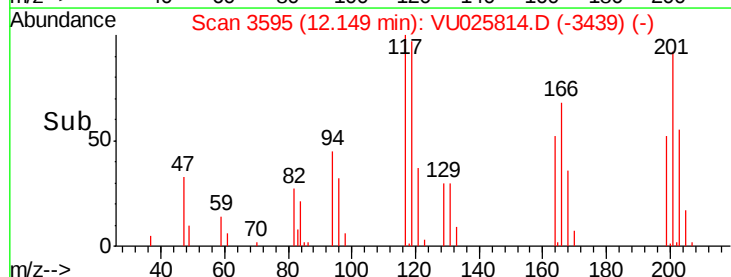
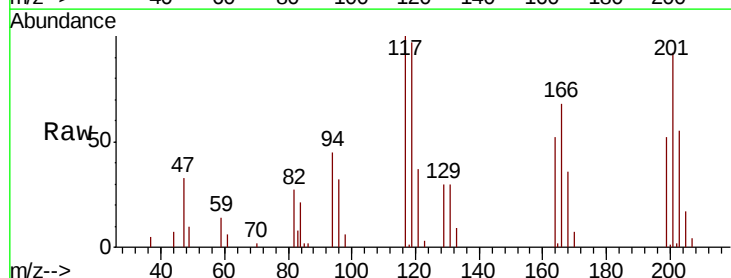
Acq: 03 Aug 2018 12:50

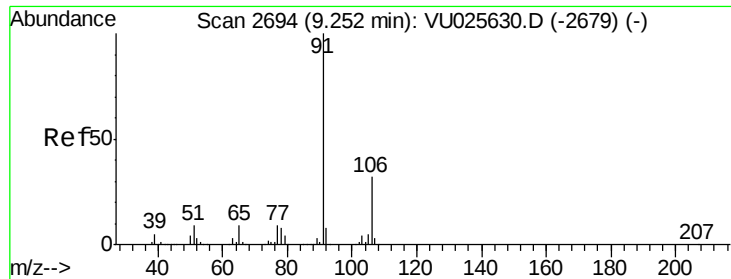
Tgt Ion:117 Resp: 14176

Ion Ratio Lower Upper

117 100

201 85.2 68.7 103.1

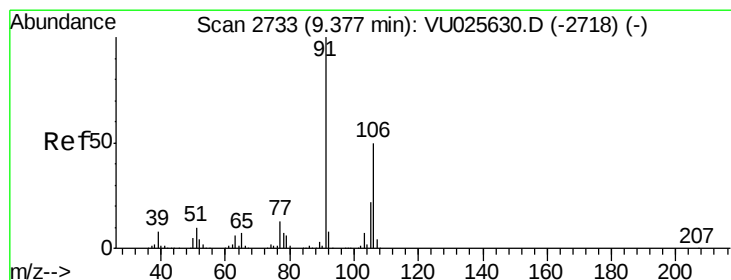
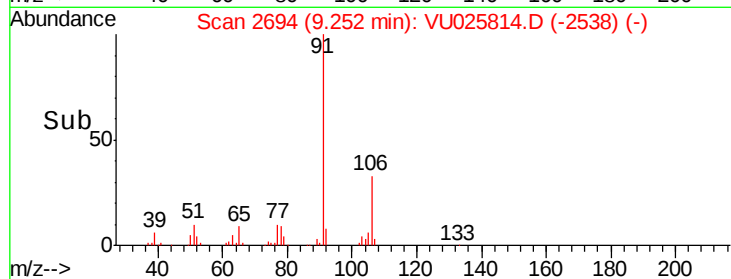
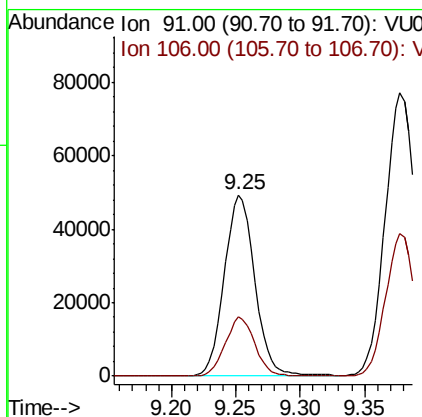
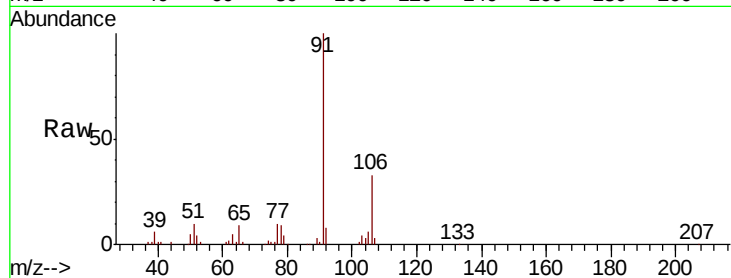




#63
Ethyl Benzene
Concen: 1.919 ug/l
RT: 9.25 min Scan# 2694
Delta R.T. 0.00 min
Lab File: VU025814.D
Acq: 03 Aug 2018 12:50

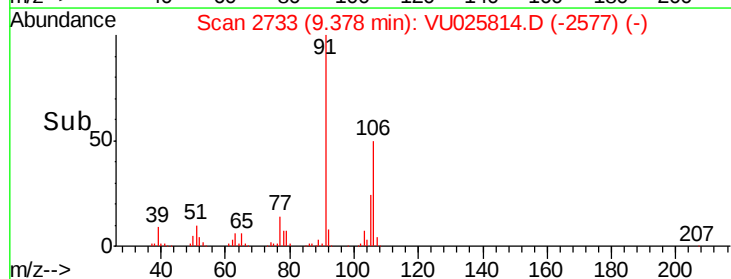
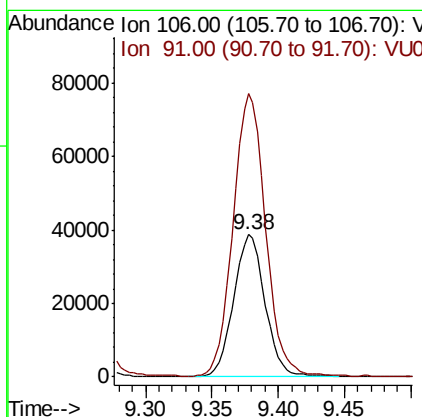
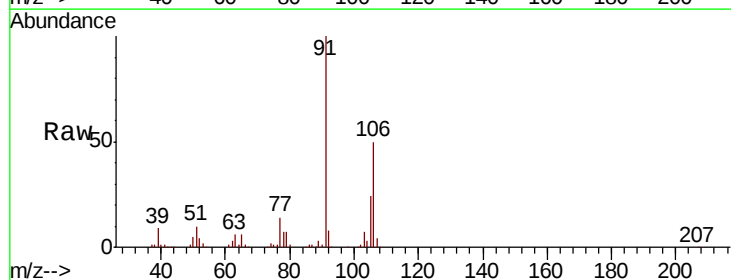
Instrument :
MSVOA_U
ClientSampleId :
VU0803WBS01

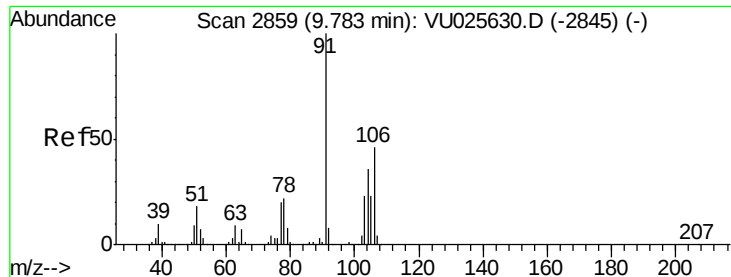
Tgt Ion: 91 Resp: 81309
Ion Ratio Lower Upper
91 100
106 32.6 24.7 37.1



#64
m/p-Xylenes
Concen: 3.840 ug/l
RT: 9.38 min Scan# 2733
Delta R.T. 0.00 min
Lab File: VU025814.D
Acq: 03 Aug 2018 12:50

Tgt Ion: 106 Resp: 63953
Ion Ratio Lower Upper
106 100
91 204.3 164.1 246.1

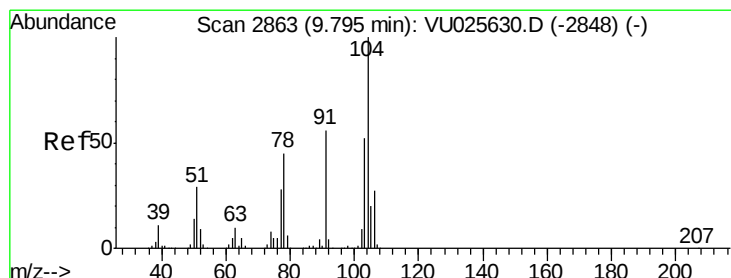
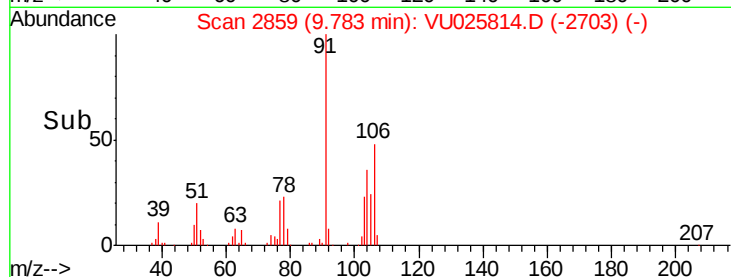
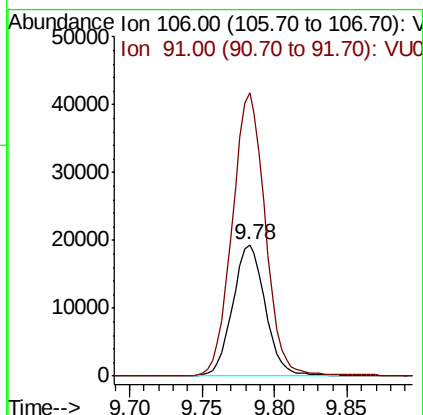
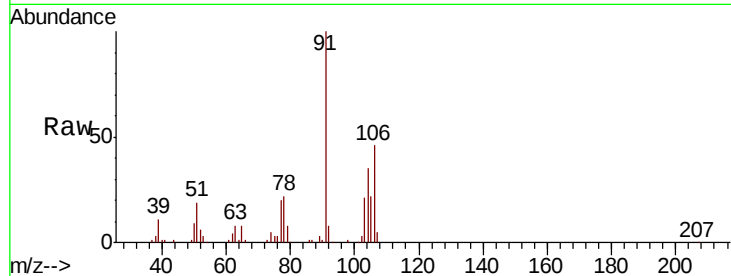




#65
o-Xylene
Concen: 1.913 ug/l
RT: 9.78 min Scan# 2859
Delta R.T. 0.00 min
Lab File: VU025814.D
Acq: 03 Aug 2018 12:50

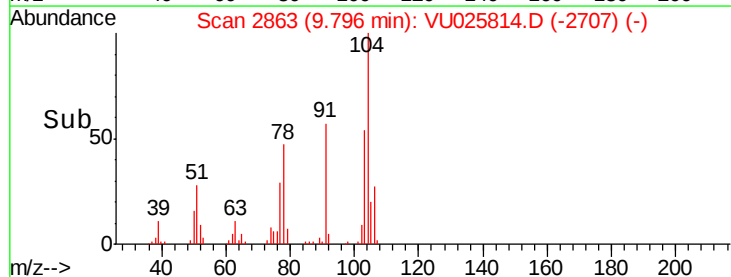
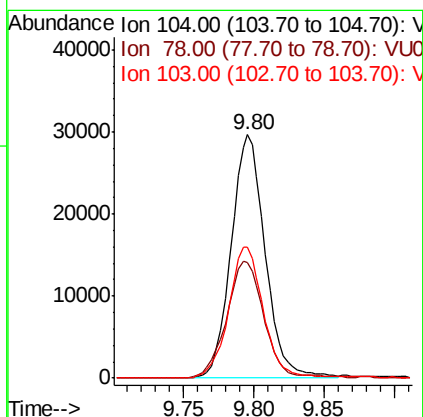
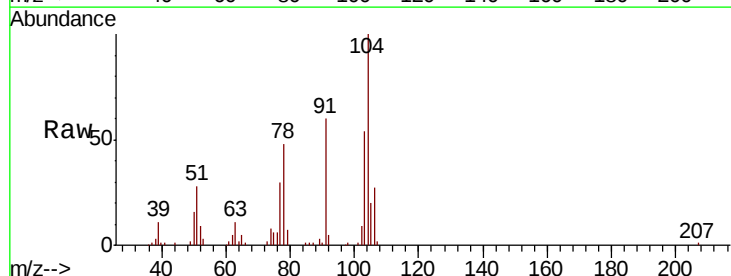
Instrument :
MSVOA_U
ClientSampleId :
VU0803WBS01

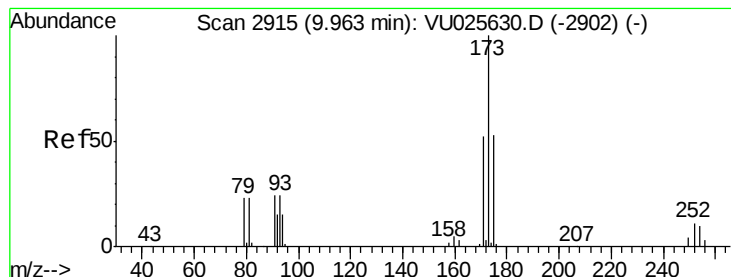
Tgt Ion:106 Resp: 30357
Ion Ratio Lower Upper
106 100
91 217.2 107.9 323.7



#66
Styrene
Concen: 1.858 ug/l
RT: 9.80 min Scan# 2863
Delta R.T. 0.00 min
Lab File: VU025814.D
Acq: 03 Aug 2018 12:50

Tgt Ion:104 Resp: 50074
Ion Ratio Lower Upper
104 100
78 52.9 40.2 60.2
103 55.3 44.2 66.4





#67

Bromoform

Concen: 1.930 ug/l

RT: 9.96 min Scan# 2915

Delta R.T. 0.00 min

Lab File: VU025814.D

Acq: 03 Aug 2018 12:50

Instrument :

MSVOA_U

ClientSampleId :

VU0803WBS01

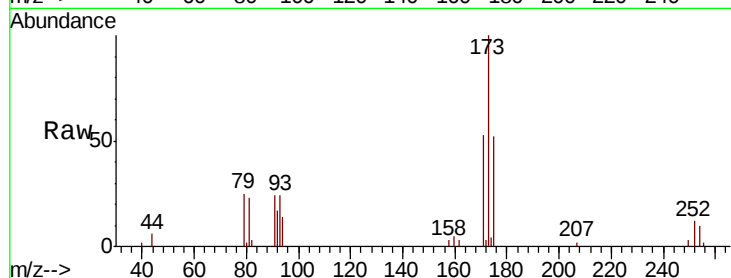
Tgt Ion:173 Resp: 9531

Ion Ratio Lower Upper

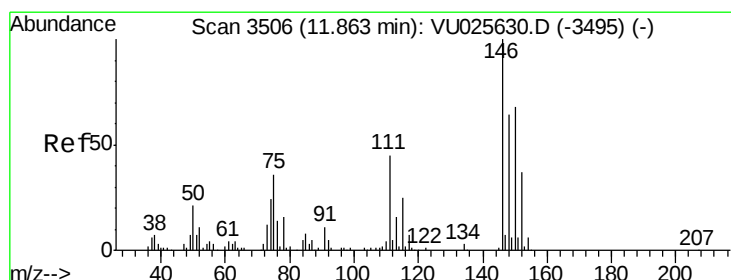
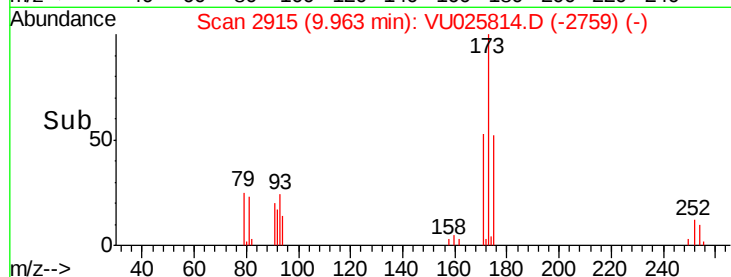
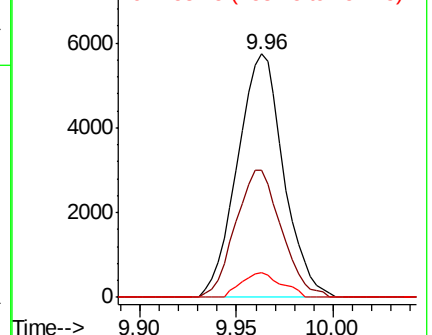
173 100

175 51.9 38.6 57.8

254 8.6 8.8 13.2#



Abundance Ion 172.90 (172.60 to 173.60): V
Ion 174.90 (174.60 to 175.60): V
Ion 253.75 (253.45 to 254.45): V



#68

1,2-Dichlorobenzene-d4

Concen: 1.930 ug/l

RT: 11.86 min Scan# 3506

Delta R.T. 0.00 min

Lab File: VU025814.D

Acq: 03 Aug 2018 12:50

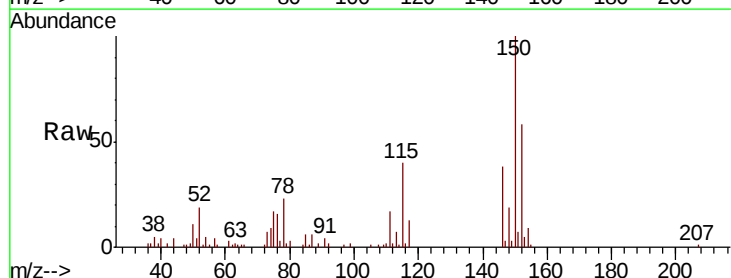
Tgt Ion:152 Resp: 12396

Ion Ratio Lower Upper

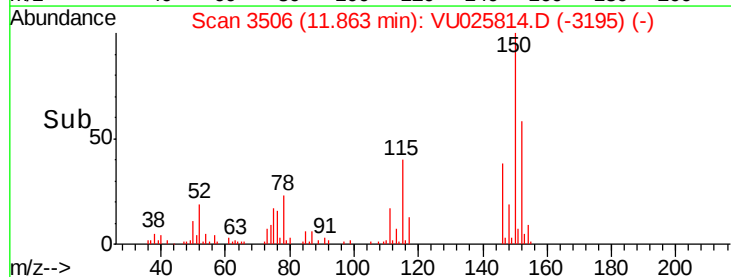
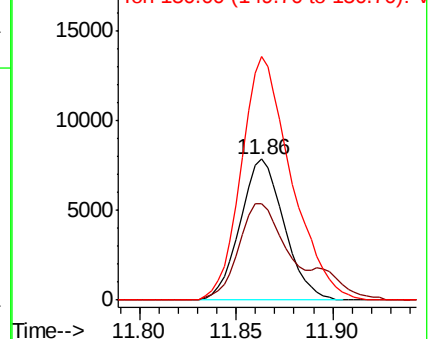
152 100

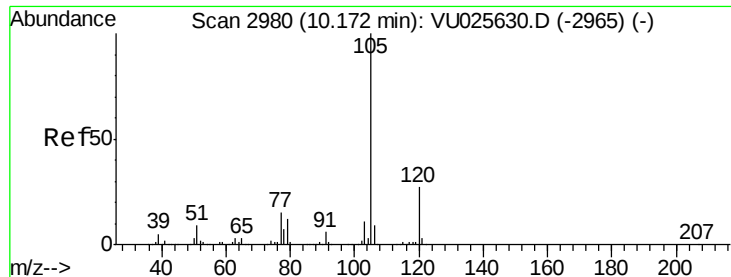
115 72.5 0.0 118.8

150 196.4 0.0 0.0#



Abundance Ion 152.00 (151.70 to 152.70): V
Ion 115.00 (114.70 to 115.70): V
Ion 150.00 (149.70 to 150.70): V





#69

Isopropylbenzene

Concen: 1.918 ug/l

RT: 10.17 min Scan# 2979

Delta R.T. -0.00 min

Lab File: VU025814.D

Acq: 03 Aug 2018 12:50

Instrument :

MSVOA_U

ClientSampleId :

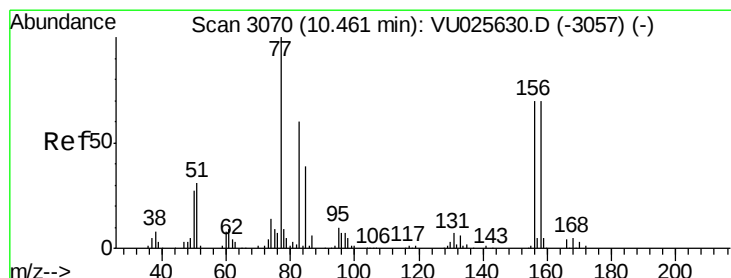
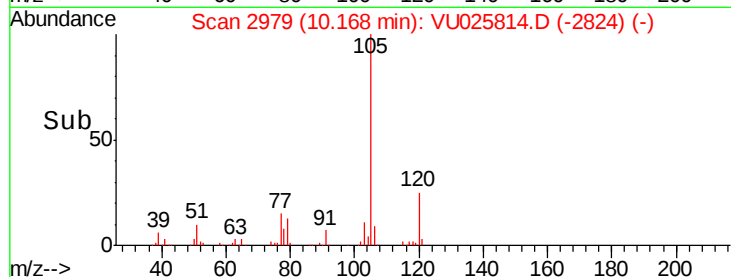
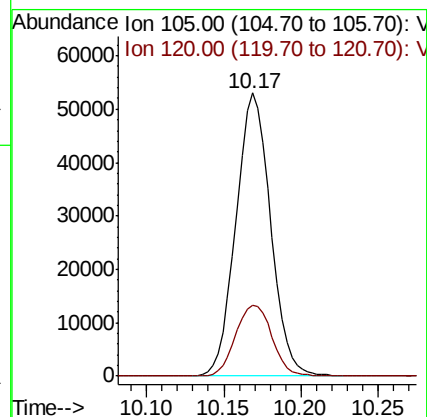
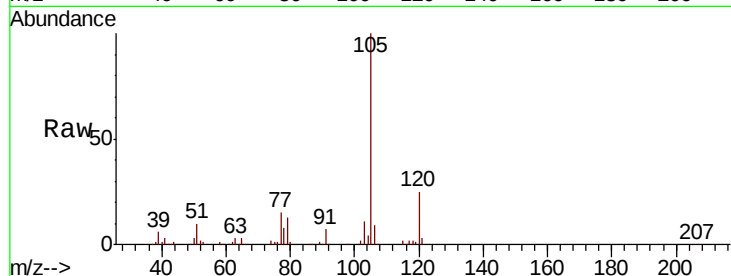
VU0803WBS01

Tgt Ion:105 Resp: 82266

Ion Ratio Lower Upper

105 100

120 26.4 13.1 39.3



#70

1,1,2,2-Tetrachloroethane

Concen: 1.947 ug/l

RT: 10.46 min Scan# 3070

Delta R.T. 0.00 min

Lab File: VU025814.D

Acq: 03 Aug 2018 12:50

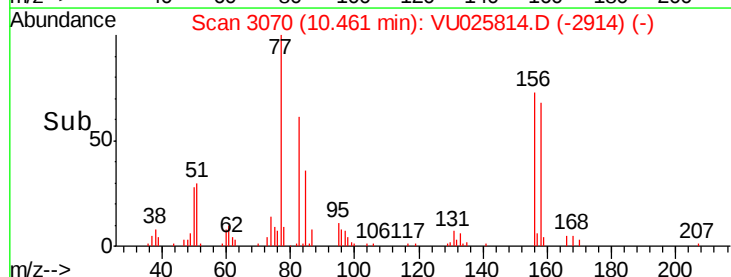
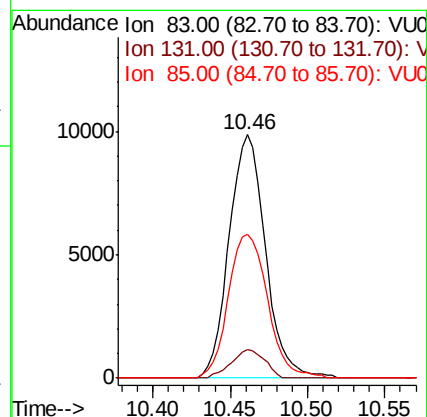
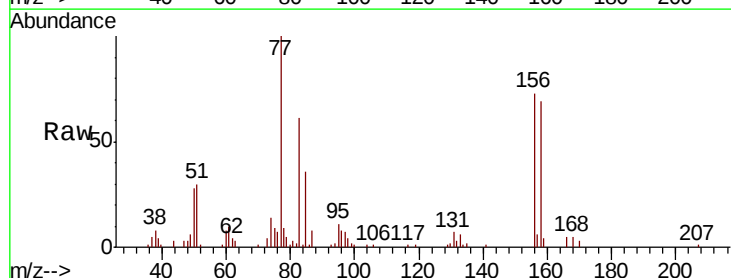
Tgt Ion: 83 Resp: 16103

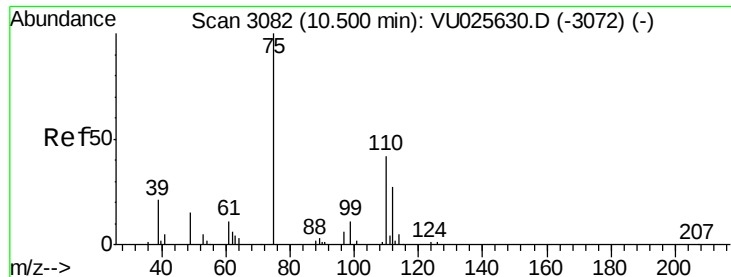
Ion Ratio Lower Upper

83 100

131 10.6 7.9 11.9

85 63.8 51.8 77.6





#71

1,2,3-Trichloropropane

Concen: 1.697 ug/l

RT: 10.50 min Scan# 3081

Delta R.T. -0.00 min

Lab File: VU025814.D

Acq: 03 Aug 2018 12:50

Instrument :

MSVOA_U

ClientSampleId :

VU0803WBS01

Tgt Ion: 75 Resp: 10938

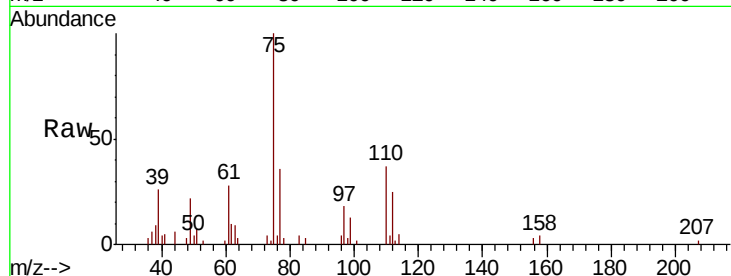
Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0

110 42.1 0.0 74.0

97 18.6 0.0 39.6

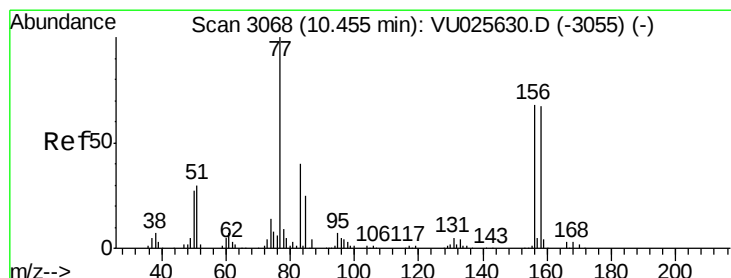
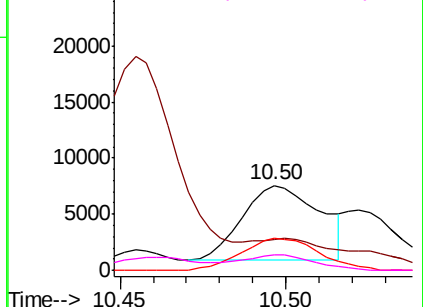
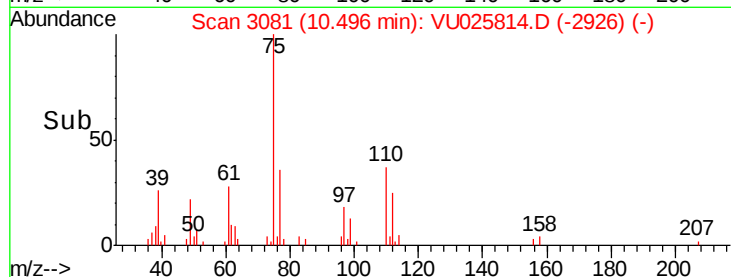


Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

Ion 110.00 (109.70 to 110.70): V

Ion 97.00 (96.70 to 97.70): VU0



#72

Bromobenzene

Concen: 1.985 ug/l

RT: 10.45 min Scan# 3068

Delta R.T. 0.00 min

Lab File: VU025814.D

Acq: 03 Aug 2018 12:50

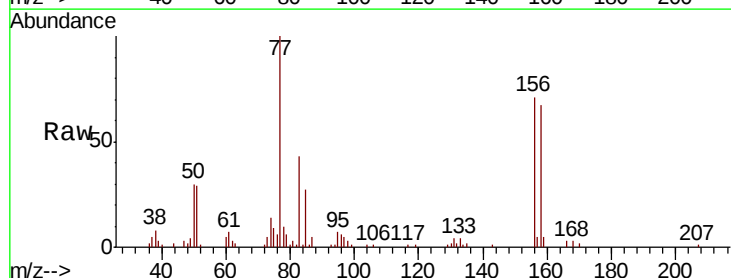
Tgt Ion: 156 Resp: 22104

Ion Ratio Lower Upper

156 100

77 143.9 0.0 309.8

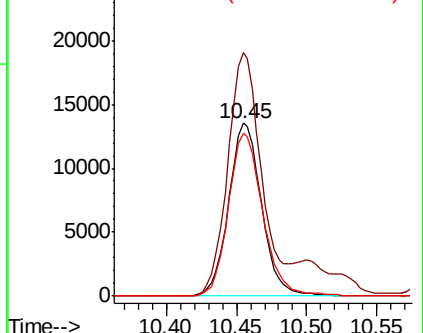
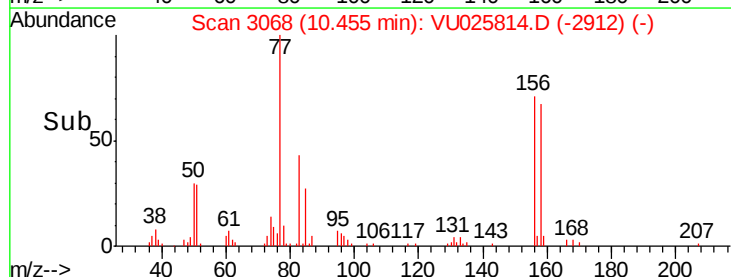
158 98.4 0.0 193.0

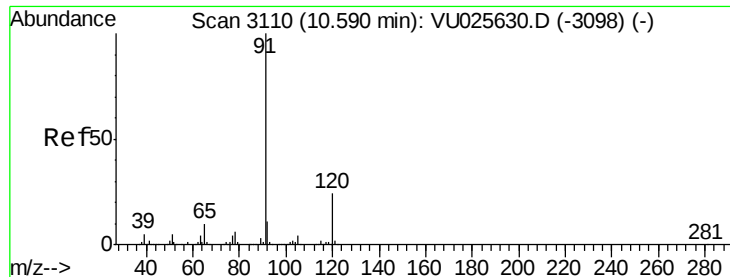


Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VU0

Ion 158.00 (157.70 to 158.70): V

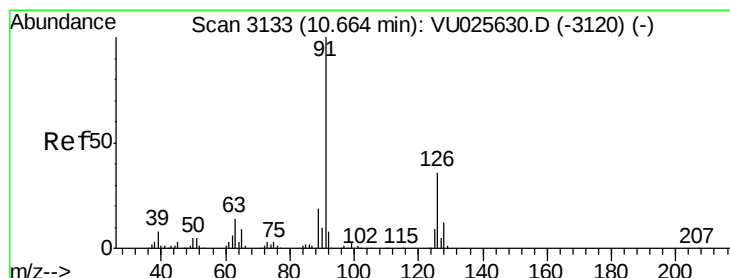
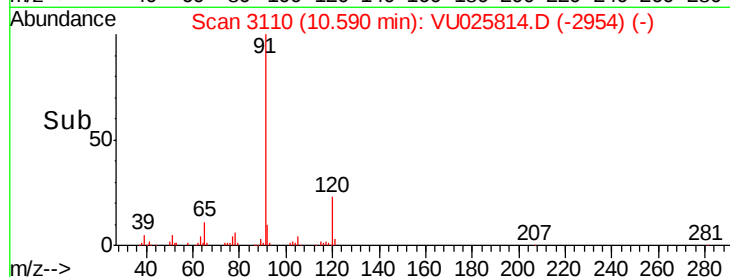
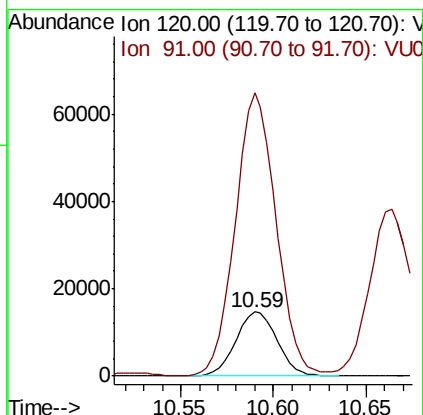
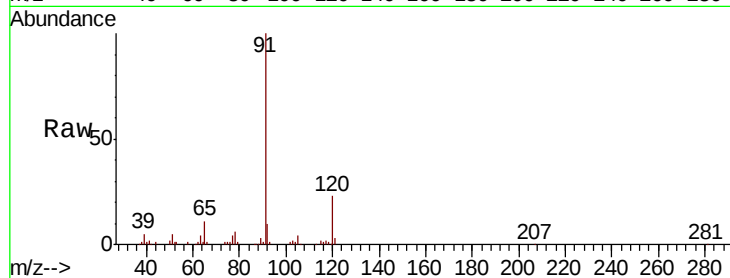




#73
n-propylbenzene
Concen: 1.882 ug/l
RT: 10.59 min Scan# 3110
Delta R.T. 0.00 min
Lab File: VU025814.D
Acq: 03 Aug 2018 12:50

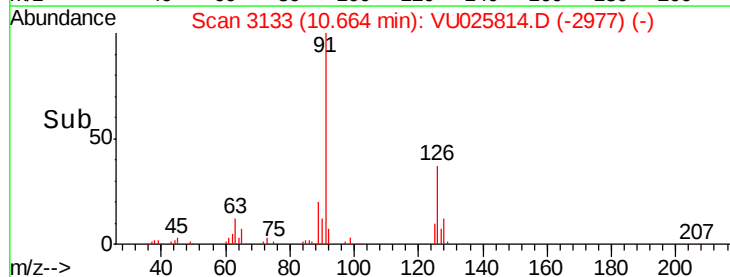
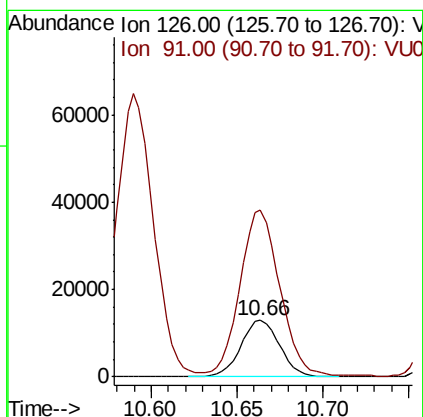
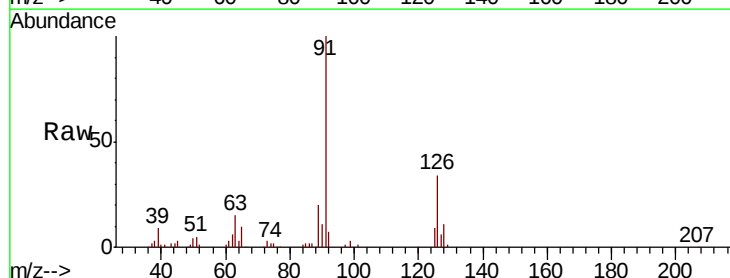
Instrument :
MSVOA_U
ClientSampleId :
VU0803WBS01

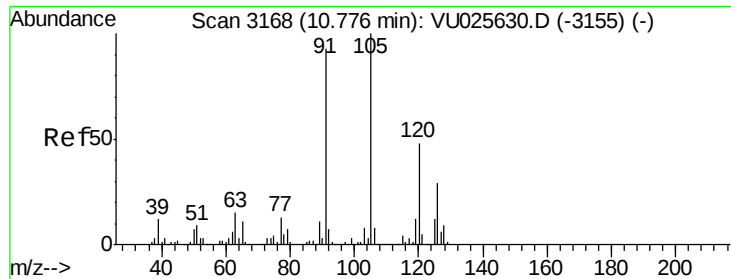
Tgt Ion:120 Resp: 22744
Ion Ratio Lower Upper
120 100
91 434.6 352.2 528.4



#74
2-Chlorotoluene
Concen: 1.900 ug/l
RT: 10.66 min Scan# 3133
Delta R.T. 0.00 min
Lab File: VU025814.D
Acq: 03 Aug 2018 12:50

Tgt Ion:126 Resp: 20212
Ion Ratio Lower Upper
126 100
91 298.6 0.0 613.0

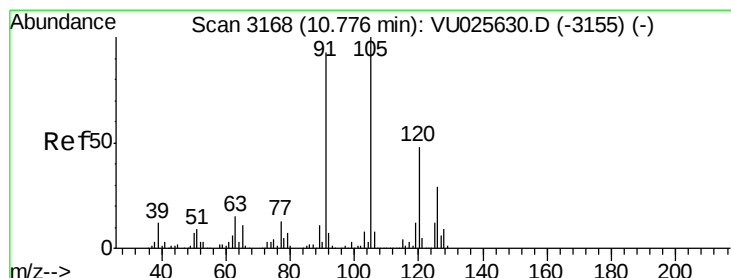
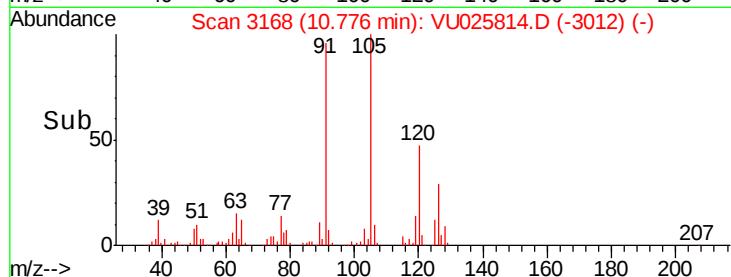
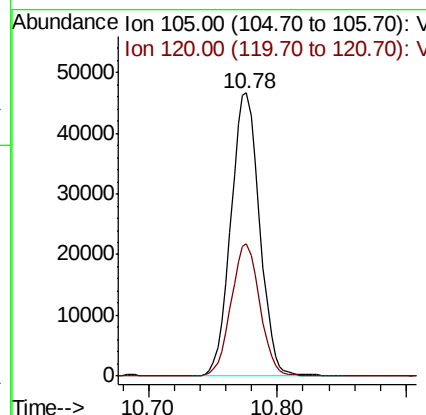
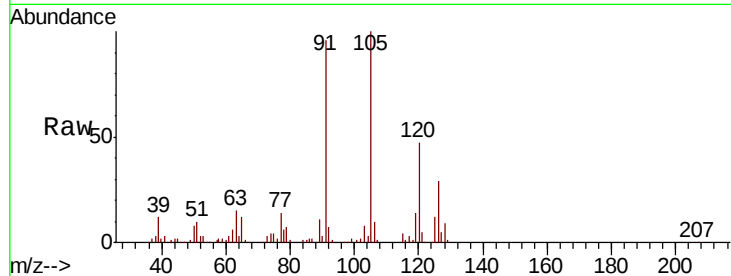




#75
 1,3,5-Trimethylbenzene
 Concen: 1.924 ug/l
 RT: 10.78 min Scan# 3168
 Delta R.T. 0.00 min
 Lab File: VU025814.D
 Acq: 03 Aug 2018 12:50

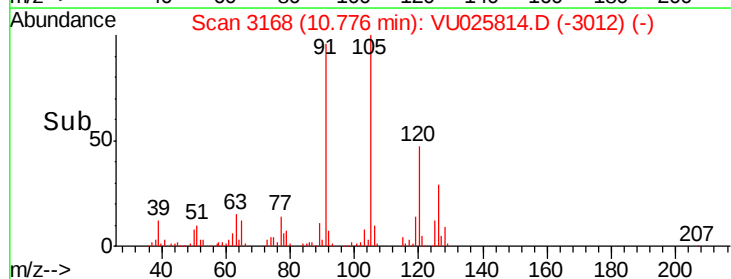
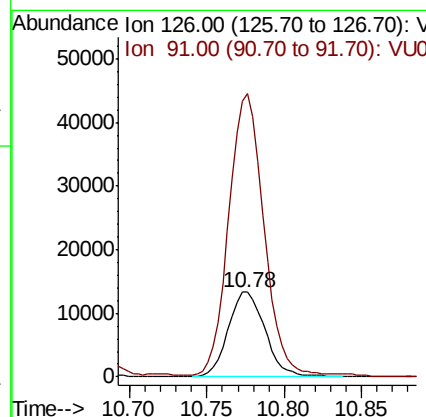
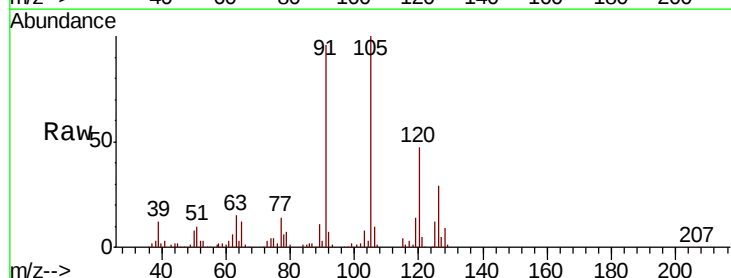
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0803WBS01

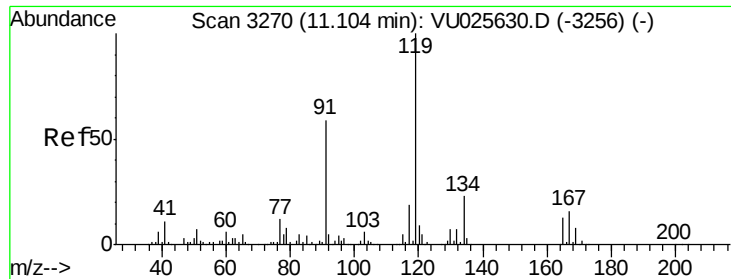
Tgt Ion:105 Resp: 72060
 Ion Ratio Lower Upper
 105 100
 120 46.8 39.0 58.6



#76
 4-Chlorotoluene
 Concen: 1.974 ug/l
 RT: 10.78 min Scan# 3168
 Delta R.T. 0.00 min
 Lab File: VU025814.D
 Acq: 03 Aug 2018 12:50

Tgt Ion:126 Resp: 22072
 Ion Ratio Lower Upper
 126 100
 91 323.3 0.0 667.2

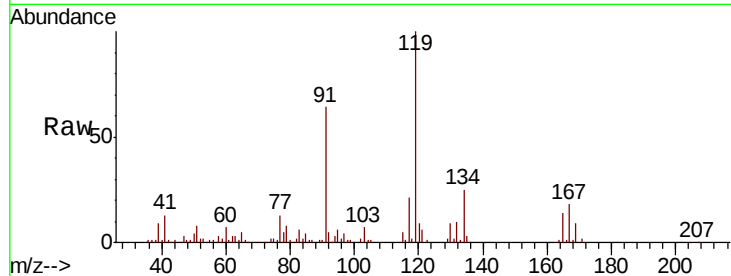




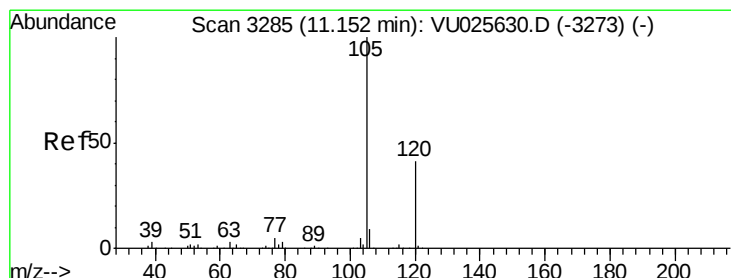
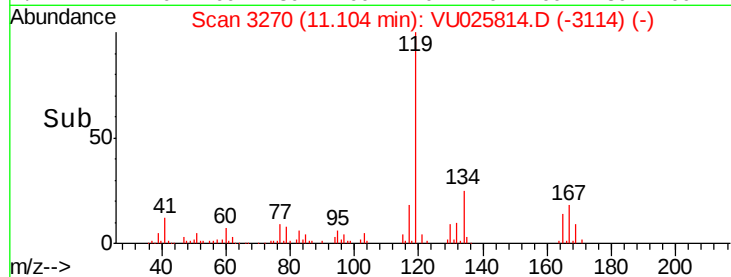
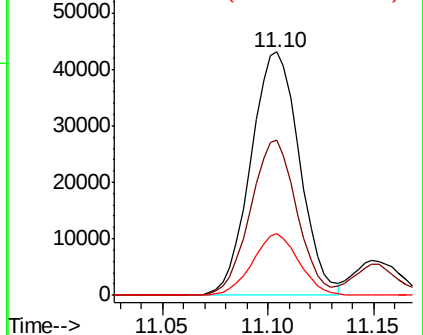
#77
 tert-Butylbenzene
 Concen: 1.876 ug/l
 RT: 11.10 min Scan# 3270
 Delta R.T. 0.00 min
 Lab File: VU025814.D
 Acq: 03 Aug 2018 12:50

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0803WBS01

Tgt Ion:119 Resp: 69259
 Ion Ratio Lower Upper
 119 100
 91 60.9 29.6 88.8
 134 24.3 19.1 28.7

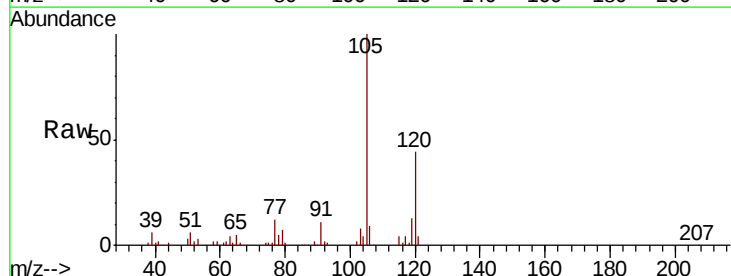


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): VU0
 Ion 134.00 (133.70 to 134.70): V

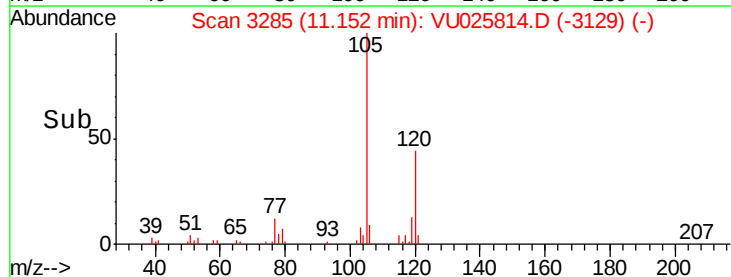
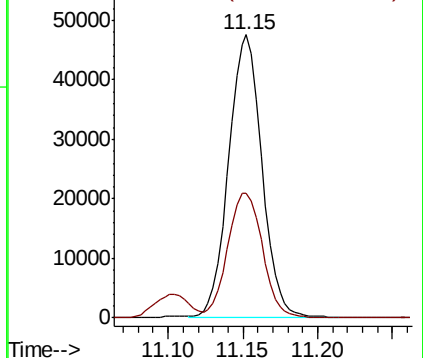


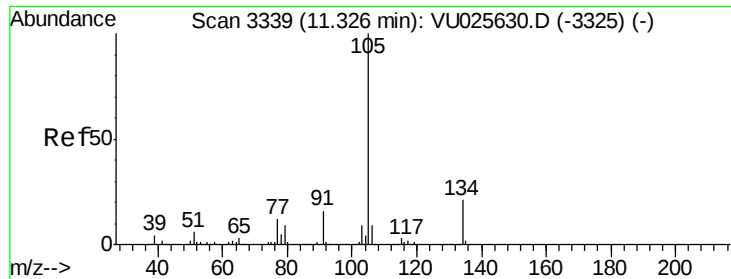
#78
 1,2,4-Trimethylbenzene
 Concen: 1.930 ug/l
 RT: 11.15 min Scan# 3285
 Delta R.T. 0.00 min
 Lab File: VU025814.D
 Acq: 03 Aug 2018 12:50

Tgt Ion:105 Resp: 73768
 Ion Ratio Lower Upper
 105 100
 120 46.2 23.1 69.3



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

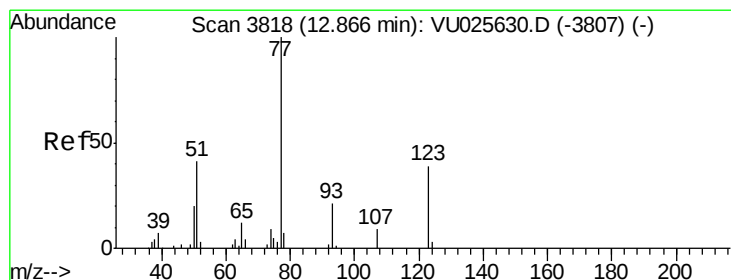
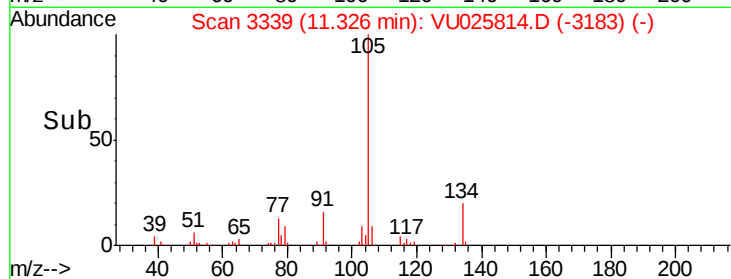
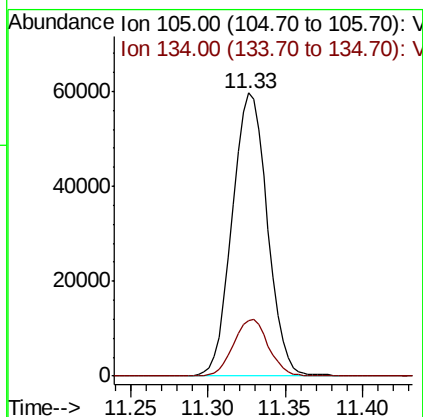
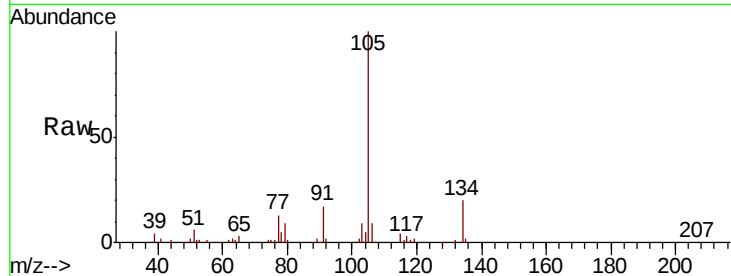




#79
 sec-Butylbenzene
 Concen: 1.938 ug/l
 RT: 11.33 min Scan# 3339
 Delta R.T. 0.00 min
 Lab File: VU025814.D
 Acq: 03 Aug 2018 12:50

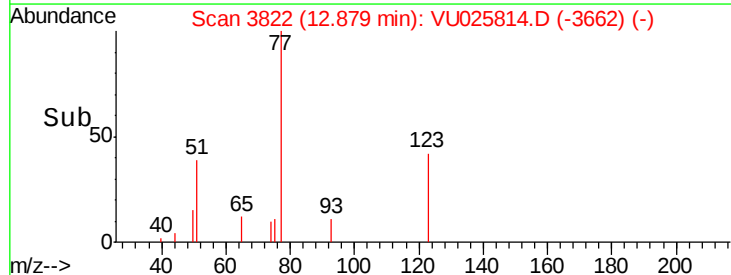
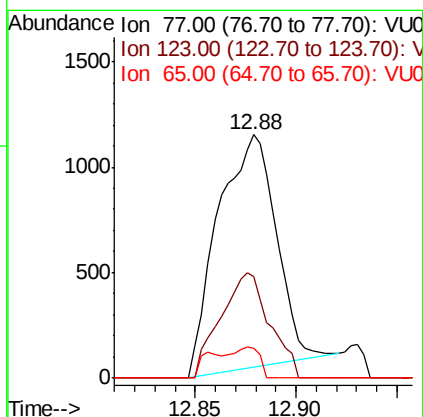
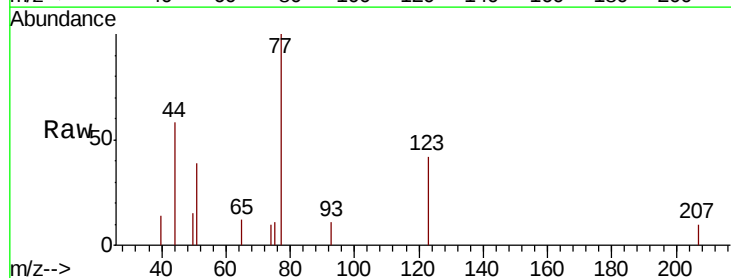
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0803WBS01

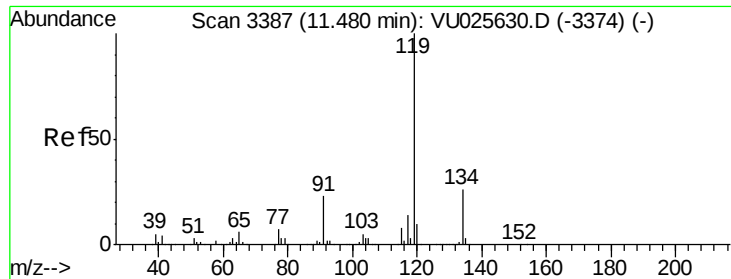
Tgt Ion: 105 Resp: 94064
 Ion Ratio Lower Upper
 105 100
 134 19.9 15.6 23.4



#80
 Nitrobenzene
 Concen: 8.861 ug/l
 RT: 12.88 min Scan# 3822
 Delta R.T. 0.01 min
 Lab File: VU025814.D
 Acq: 03 Aug 2018 12:50

Tgt Ion: 77 Resp: 2231
 Ion Ratio Lower Upper
 77 100
 123 37.9 19.4 68.6
 65 5.6 11.2 14.2#

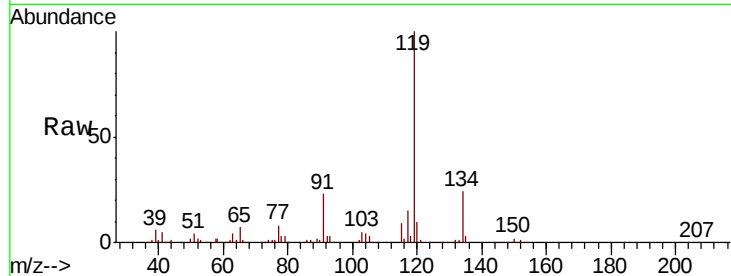




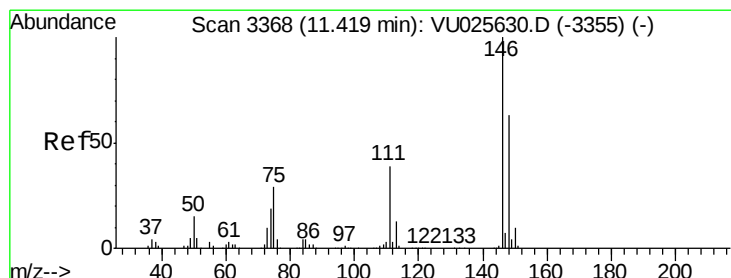
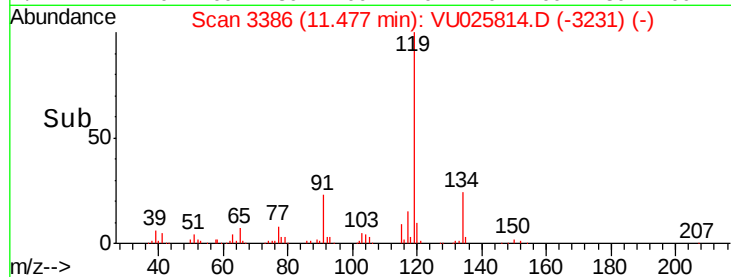
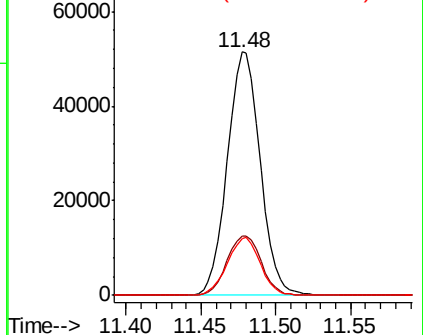
#81
p-Isopropyltoluene
Concen: 1.915 ug/l
RT: 11.48 min Scan# 3386
Delta R.T. -0.00 min
Lab File: VU025814.D
Acq: 03 Aug 2018 12:50

Instrument :
MSVOA_U
ClientSampleId :
VU0803WBS01

Tgt Ion:119 Resp: 78808
Ion Ratio Lower Upper
119 100
134 25.4 20.9 31.3
91 23.8 18.2 27.2

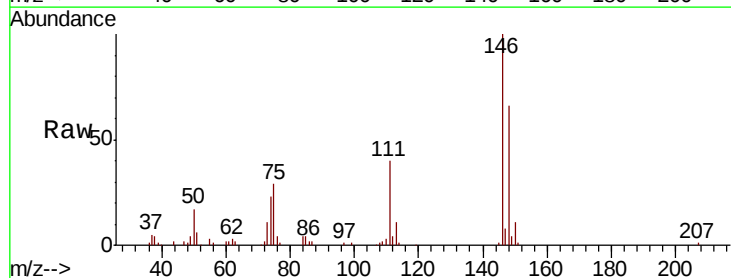


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 134.00 (133.70 to 134.70): V
Ion 91.00 (90.70 to 91.70): V

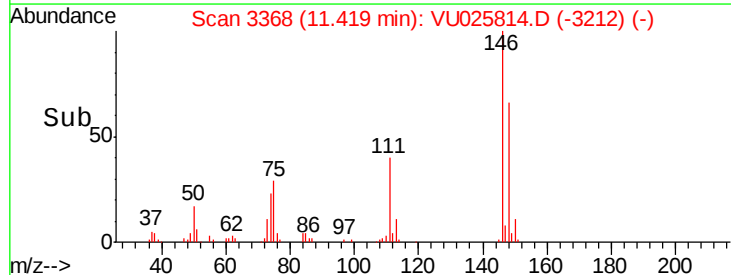
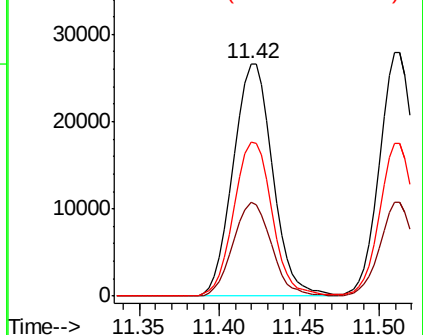


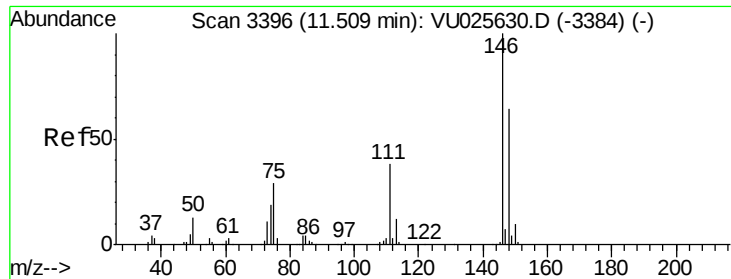
#82
1,3-Dichlorobenzene
Concen: 1.958 ug/l
RT: 11.42 min Scan# 3368
Delta R.T. 0.00 min
Lab File: VU025814.D
Acq: 03 Aug 2018 12:50

Tgt Ion:146 Resp: 44837
Ion Ratio Lower Upper
146 100
111 39.0 31.8 47.6
148 64.7 51.0 76.4



Abundance Ion 146.00 (145.70 to 146.70): V
Ion 111.00 (110.70 to 111.70): V
Ion 148.00 (147.70 to 148.70): V

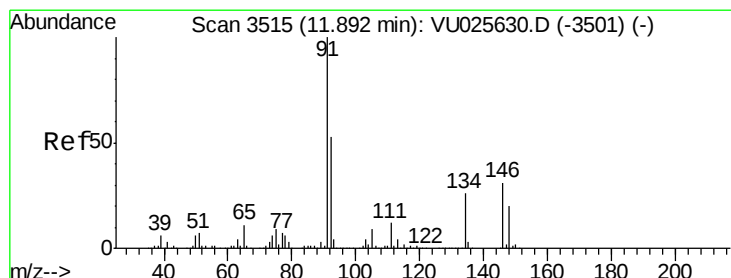
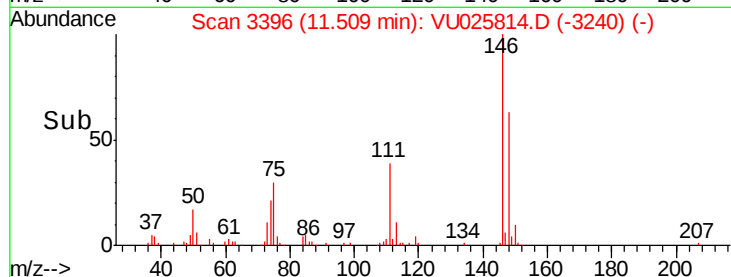
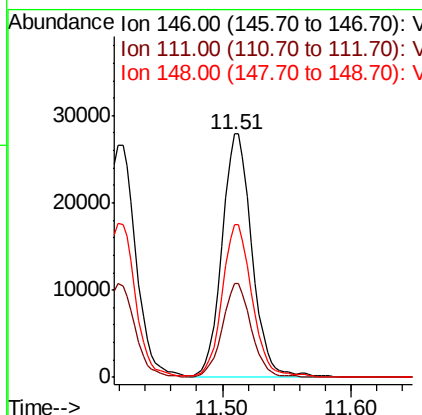
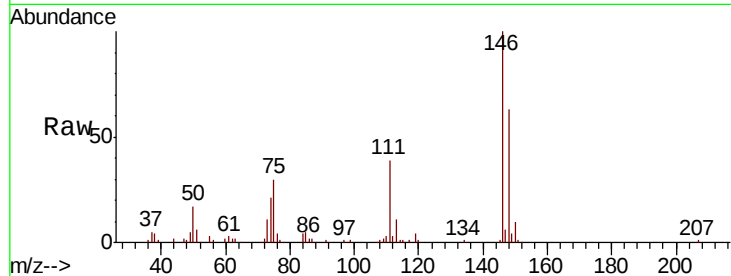




#83
 1,4-Dichlorobenzene
 Concen: 2.015 ug/l
 RT: 11.51 min Scan# 3396
 Delta R.T. 0.00 min
 Lab File: VU025814.D
 Acq: 03 Aug 2018 12:50

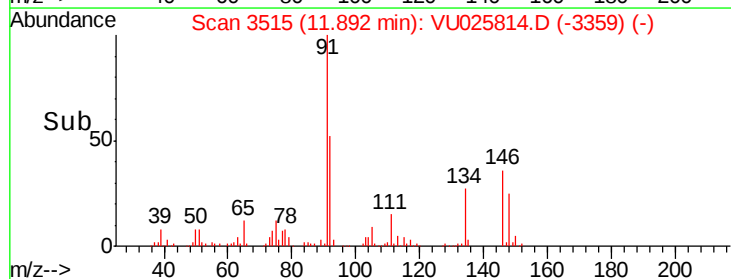
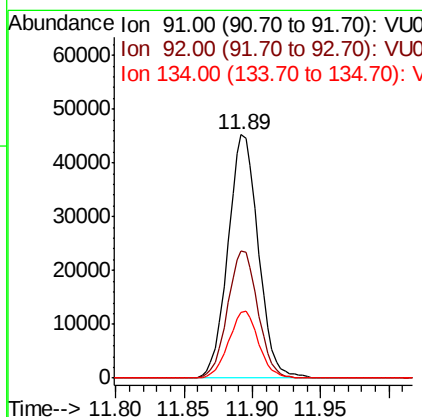
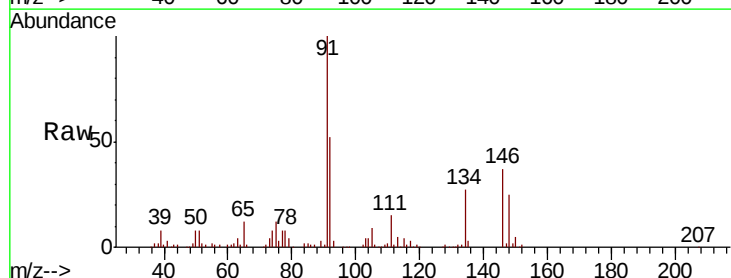
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0803WBS01

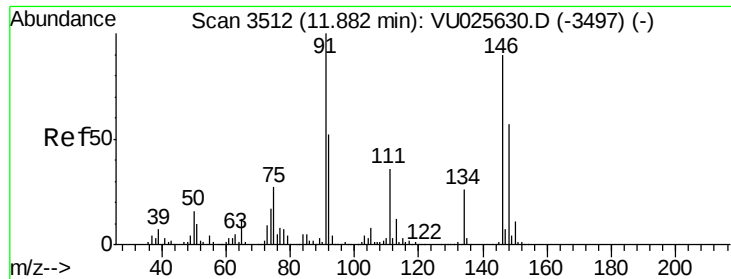
Tgt Ion: 146 Resp: 45006
 Ion Ratio Lower Upper
 146 100
 111 37.1 30.1 45.1
 148 62.8 50.6 76.0



#84
 n-Butylbenzene
 Concen: 1.810 ug/l
 RT: 11.89 min Scan# 3515
 Delta R.T. 0.00 min
 Lab File: VU025814.D
 Acq: 03 Aug 2018 12:50

Tgt Ion: 91 Resp: 69882
 Ion Ratio Lower Upper
 91 100
 92 52.1 42.2 63.2
 134 27.0 20.3 30.5





#85

1,2-Dichlorobenzene

Concen: 1.998 ug/l

RT: 11.88 min Scan# 3512

Delta R.T. 0.00 min

Lab File: VU025814.D

Acq: 03 Aug 2018 12:50

Instrument :

MSVOA_U

ClientSampleId :

VU0803WBS01

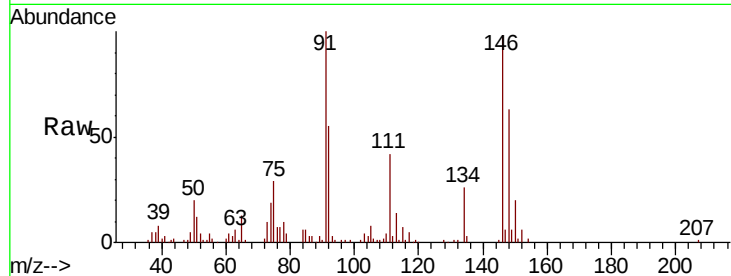
Tgt Ion:146 Resp: 41782

Ion Ratio Lower Upper

146 100

111 41.3 20.7 62.1

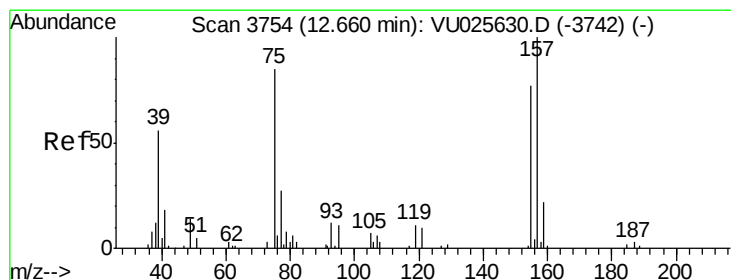
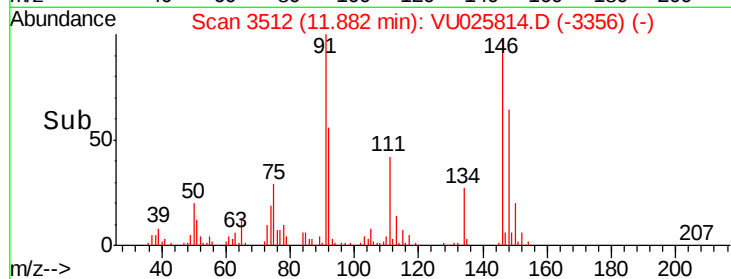
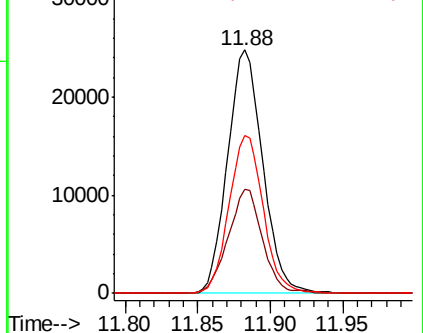
148 62.9 31.9 95.5



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#86

1,2-Dibromo-3-Chloropropane

Concen: 2.019 ug/l

RT: 12.66 min Scan# 3753

Delta R.T. -0.00 min

Lab File: VU025814.D

Acq: 03 Aug 2018 12:50

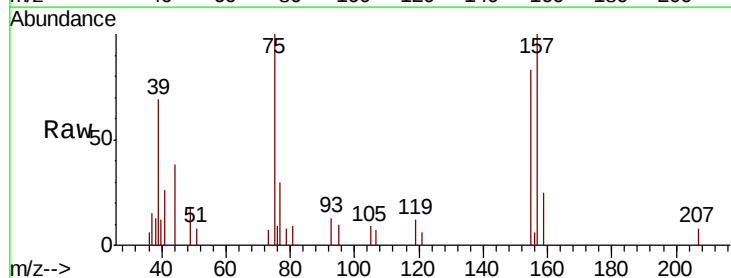
Tgt Ion: 75 Resp: 2755

Ion Ratio Lower Upper

75 100

155 77.6 65.8 98.6

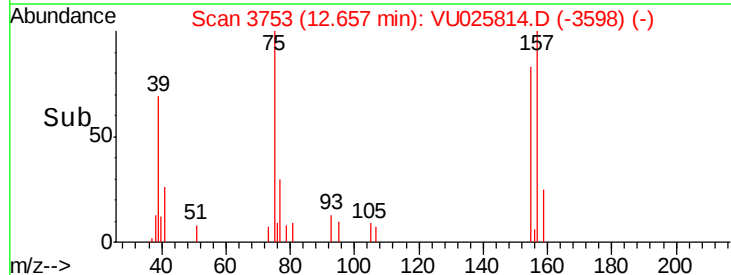
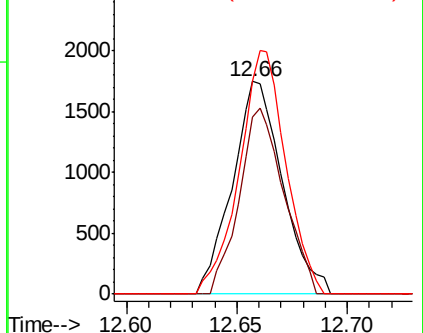
157 106.1 83.5 125.3

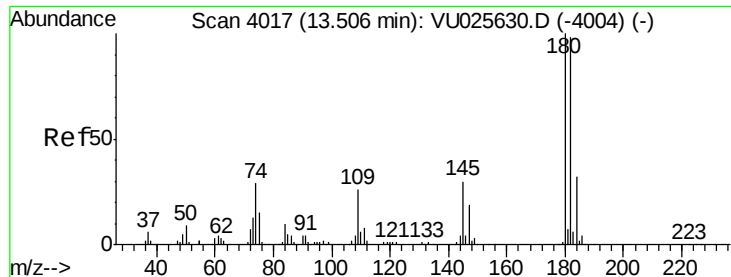


Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

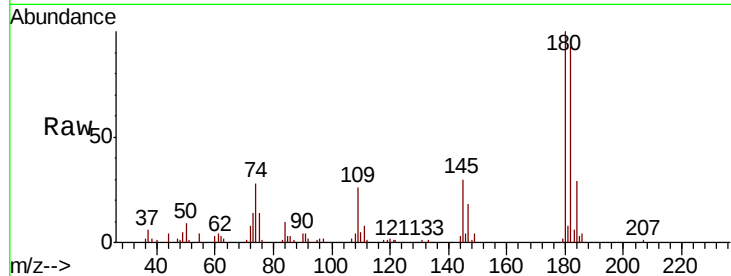




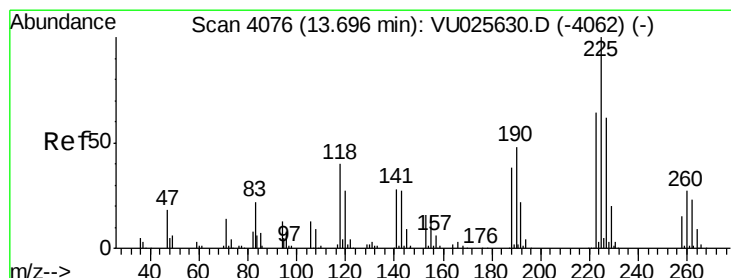
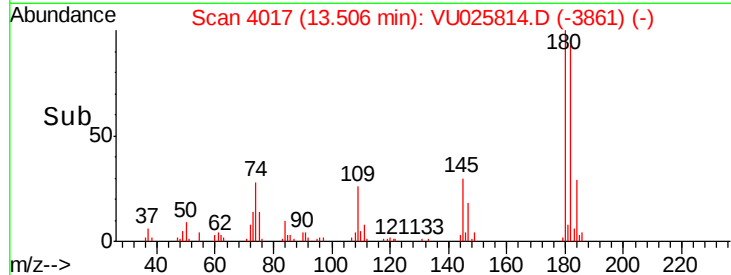
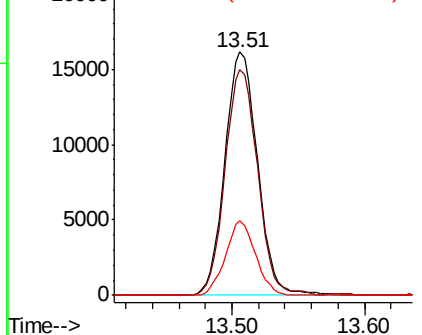
#87
 1,2,4-Trichlorobenzene
 Concen: 1.899 ug/l
 RT: 13.51 min Scan# 4017
 Delta R.T. 0.00 min
 Lab File: VU025814.D
 Acq: 03 Aug 2018 12:50

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0803WBS01

Tgt Ion:180 Resp: 27655
 Ion Ratio Lower Upper
 180 100
 182 92.5 77.1 115.7
 145 27.8 23.3 34.9

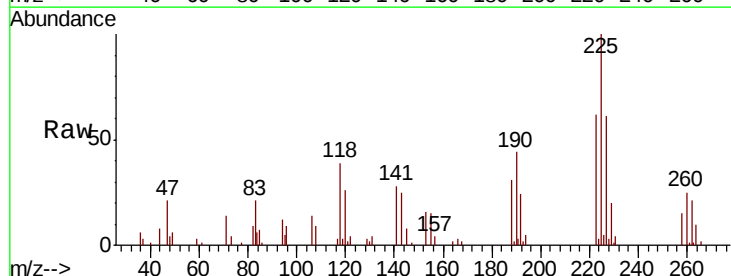


Abundance Ion 179.70 (179.40 to 180.40): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

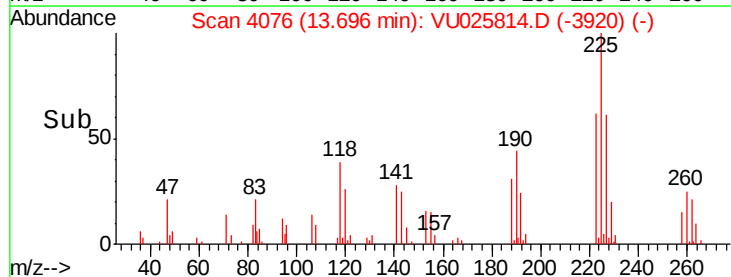
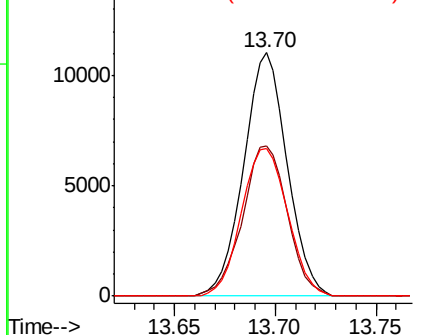


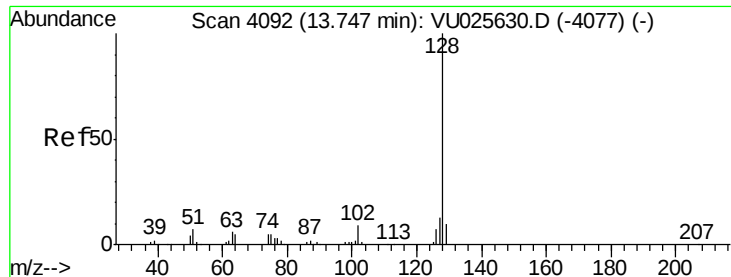
#88
 Hexachlorobutadiene
 Concen: 1.864 ug/l
 RT: 13.70 min Scan# 4076
 Delta R.T. 0.00 min
 Lab File: VU025814.D
 Acq: 03 Aug 2018 12:50

Tgt Ion:225 Resp: 16681
 Ion Ratio Lower Upper
 225 100
 223 63.5 50.6 75.8
 227 64.3 51.8 77.6



Abundance Ion 224.60 (224.30 to 225.30): V
 Ion 222.60 (222.30 to 223.30): V
 Ion 226.60 (226.30 to 227.30): V





#89

Naphthalene

Concen: 1.698 ug/l

RT: 13.75 min Scan# 4092

Delta R.T. 0.00 min

Lab File: VU025814.D

Acq: 03 Aug 2018 12:50

Instrument :

MSVOA_U

ClientSampleId :

VU0803WBS01

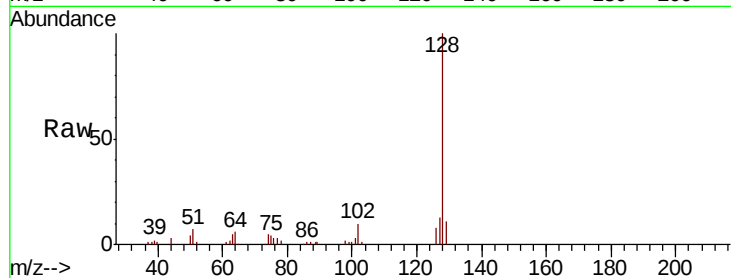
Tgt Ion:128 Resp: 40143

Ion Ratio Lower Upper

128 100

127 12.4 10.5 15.7

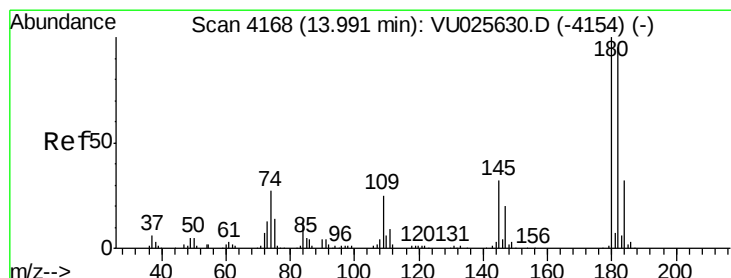
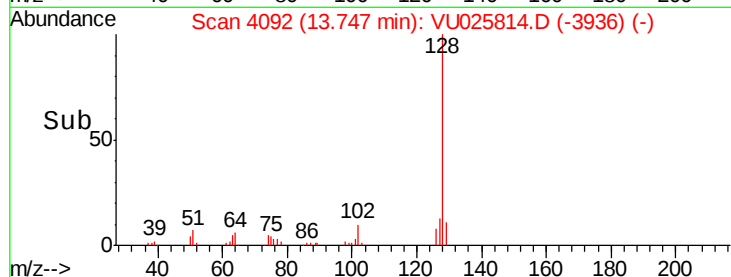
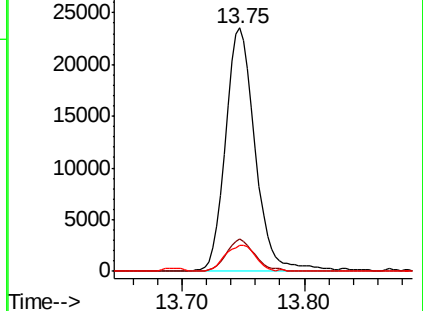
129 11.2 8.7 13.1



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



#90

1,2,3-Trichlorobenzene

Concen: 1.855 ug/l

RT: 13.99 min Scan# 4168

Delta R.T. 0.00 min

Lab File: VU025814.D

Acq: 03 Aug 2018 12:50

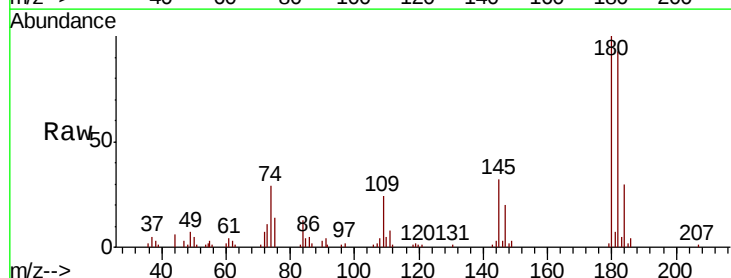
Tgt Ion:180 Resp: 24686

Ion Ratio Lower Upper

180 100

182 93.5 76.8 115.2

145 30.6 24.6 36.8



Abundance Ion 179.70 (179.40 to 180.40): V

Ion 181.70 (181.40 to 182.40): V

Ion 144.80 (144.50 to 145.50): V

