

Data File : VU029841.D
Acq On : 06 Mar 2019 16:03
Operator : JC/SP
Sample : VU0307WBSD01
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VU0307WBSD01

Quant Time: Mar 07 01:44:30 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\524U030719DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Thu Mar 07 01:34:40 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	5.74	96	62689	1.00	ug/l	0.00

System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.31	95	21710	0.96	ug/l	0.00
Spiked Amount	1.000		Recovery	=	96.00%	
68) 1,2-Dichlorobenzene-d4	11.86	152	25828	0.99	ug/l	0.00
Spiked Amount	1.000		Recovery	=	99.00%	

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.20	85	39194	1.868 ug/l	100
3) Chloromethane	1.33	50	35738	1.913 ug/l	97
4) Vinyl Chloride	1.40	62	40652	1.935 ug/l	96
5) Bromomethane	1.63	94	26338	1.835 ug/l	100
6) Chloroethane	1.70	64	24556	1.949 ug/l	99
7) Trichlorofluoromethane	1.88	101	55346	1.933 ug/l	98
8) 1,1,2-Trichloro-1,2,2-trif	2.29	101	33061	1.985 ug/l	99
9) 1,1-Dichloroethene	2.28	96	30973	1.899 ug/l	98
10) Iodomethane	2.41	142	28149	2.037 ug/l	97
11) Allyl Chloride	2.59	41	41936	1.829 ug/l	94
12) Acrylonitrile	2.94	53	13372	3.761 ug/l	97
13) Acetone	2.32	43	26881	9.129 ug/l	100
14) Carbon Disulfide	2.47	76	98166	1.859 ug/l	100
15) Methylene Chloride	2.69	84	37780	1.931 ug/l	98
16) trans-1,2-Dichloroethene	2.98	96	34836	1.891 ug/l	98
17) 1,1-Dichloroethane	3.44	63	58216	1.889 ug/l	98
18) 2-Butanone	4.28	43	36765	9.187 ug/l	100
19) Cyclohexane	4.99	56	39076	1.881 ug/l	99
20) Methylcyclohexane	6.41	83	52600	1.887 ug/l	98
21) 2,2-Dichloropropane	4.22	77	46848	1.860 ug/l	97
22) cis-1,2-Dichloroethene	4.22	96	37646	1.928 ug/l	99
23) Diethyl Ether	2.10	59	23555	1.927 ug/l	98
24) tert-Butyl Alcohol	2.83	59	23824	18.892 ug/l	100
25) Methyl tert-Butyl Ether	3.00	73	79838	1.944 ug/l	98
26) Bromochloromethane	4.54	128	16747	1.932 ug/l	96
27) Chloroform	4.67	83	59623	1.910 ug/l	96
28) 1,1,1-Trichloroethane	4.91	97	49272	1.862 ug/l	97
29) 1,1-Dichloropropene	5.13	75	43695	1.858 ug/l	97
30) Carbon Tetrachloride	5.13	117	43930	1.903 ug/l	98
31) Isopropyl Ether	3.58	45	82450	1.940 ug/l	98
32) Ethyl-t-butyl ether	4.07	59	80644	1.952 ug/l	100
33) Tert-Amyl methyl ether	5.58	73	74364	1.946 ug/l	99
34) Propionitrile	4.33	54	10397	8.734 ug/l #	96
35) Benzene	5.38	78	134416	1.940 ug/l	100
36) 1,2-Dichloroethane	5.40	62	35730	1.889 ug/l	100
37) Trichloroethene	6.18	130	38643	1.911 ug/l	95
38) 1,2-Dichloropropane	6.43	63	35332	2.015 ug/l	100
39) Methacrylonitrile	4.55	41	9427	1.883 ug/l	97
40) Methyl acrylate	4.43	55	14513	1.834 ug/l	96
41) Tetrahydrofuran	4.65	42	9927	3.790 ug/l	94
42) 1-Chlorobutane	5.06	56	57786	1.924 ug/l	99

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Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Thu Mar 07 01:34:40 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Dibromomethane	6.56	93	18208	2.004	ug/l	98
44) Bromodichloromethane	6.76	83	41222	1.847	ug/l	97
45) 4-Methyl-2-Pentanone	7.46	43	91730	9.678	ug/l	97
46) t-1,4-Dichloro-2-butene	10.49	75	19707	4.974	ug/l #	73
47) Methyl methacrylate	6.63	69	29437	3.775	ug/l	98
48) Ethyl methacrylate	8.02	69	27850	1.864	ug/l	100
49) Toluene	7.63	92	80779	1.899	ug/l	97
50) t-1,3-Dichloropropene	7.88	75	35953	1.838	ug/l	97
51) cis-1,3-Dichloropropene	7.27	75	45074	1.862	ug/l	99
52) 1,1,2-Trichloroethane	8.06	97	27169	2.020	ug/l	96
53) 1,3-Dichloropropane	8.24	76	42416	1.923	ug/l	100
54) 2-Hexanone	8.36	43	59196	8.993	ug/l	98
55) Dibromochloromethane	8.48	129	29510	1.848	ug/l	99
56) 1,2-Dibromoethane	8.58	107	23494	1.842	ug/l	95
58) Tetrachloroethene	8.22	164	41016	1.985	ug/l	97
59) Chlorobenzene	9.12	112	94977	1.943	ug/l	100
60) 1,1,1,2-Tetrachloroethane	9.21	131	33623	1.917	ug/l	99
61) Pentachloroethane	11.10	117	22600	1.851	ug/l	99
62) Hexachloroethane	12.14	117	22394	1.743	ug/l	96
63) Ethyl Benzene	9.25	91	150113	1.874	ug/l	99
64) m/p-Xylenes	9.37	106	120826	3.816	ug/l	99
65) o-Xylene	9.78	106	58914	1.938	ug/l	100
66) Styrene	9.79	104	96661	1.913	ug/l	98
67) Bromoform	9.95	173	17268	1.842	ug/l	97
69) Isopropylbenzene	10.16	105	153569	1.905	ug/l	99
70) 1,1,2,2-Tetrachloroethane	10.45	83	31754	1.936	ug/l	97
71) 1,2,3-Trichloropropane	10.49	75	19707	1.616	ug/l	93
72) Bromobenzene	10.45	156	40502	1.898	ug/l	96
73) n-propylbenzene	10.58	120	42280	1.865	ug/l	98
74) 2-Chlorotoluene	10.66	126	38718	1.926	ug/l	95
75) 1,3,5-Trimethylbenzene	10.77	105	127634	1.879	ug/l	100
76) 4-Chlorotoluene	10.77	126	40714	1.986	ug/l	95
77) tert-Butylbenzene	11.10	119	127709	1.900	ug/l	99
78) 1,2,4-Trimethylbenzene	11.14	105	130709	1.904	ug/l	97
79) sec-Butylbenzene	11.32	105	171093	1.921	ug/l	100
80) Nitrobenzene	12.87	77	1449	4.866	ug/l #	64
81) p-Isopropyltoluene	11.47	119	142499	1.911	ug/l	99
82) 1,3-Dichlorobenzene	11.41	146	80221	1.898	ug/l	99
83) 1,4-Dichlorobenzene	11.50	146	78421	1.899	ug/l	99
84) n-Butylbenzene	11.89	91	123421	1.817	ug/l	99
85) 1,2-Dichlorobenzene	11.88	146	74666	1.873	ug/l	99
86) 1,2-Dibromo-3-Chloropropan	12.66	75	4254	1.816	ug/l	96
87) 1,2,4-Trichlorobenzene	13.50	180	45475	1.782	ug/l	98
88) Hexachlorobutadiene	13.69	225	30573	1.902	ug/l	96
89) Naphthalene	13.74	128	70454	1.819	ug/l	98
90) 1,2,3-Trichlorobenzene	13.99	180	45445	1.895	ug/l	98

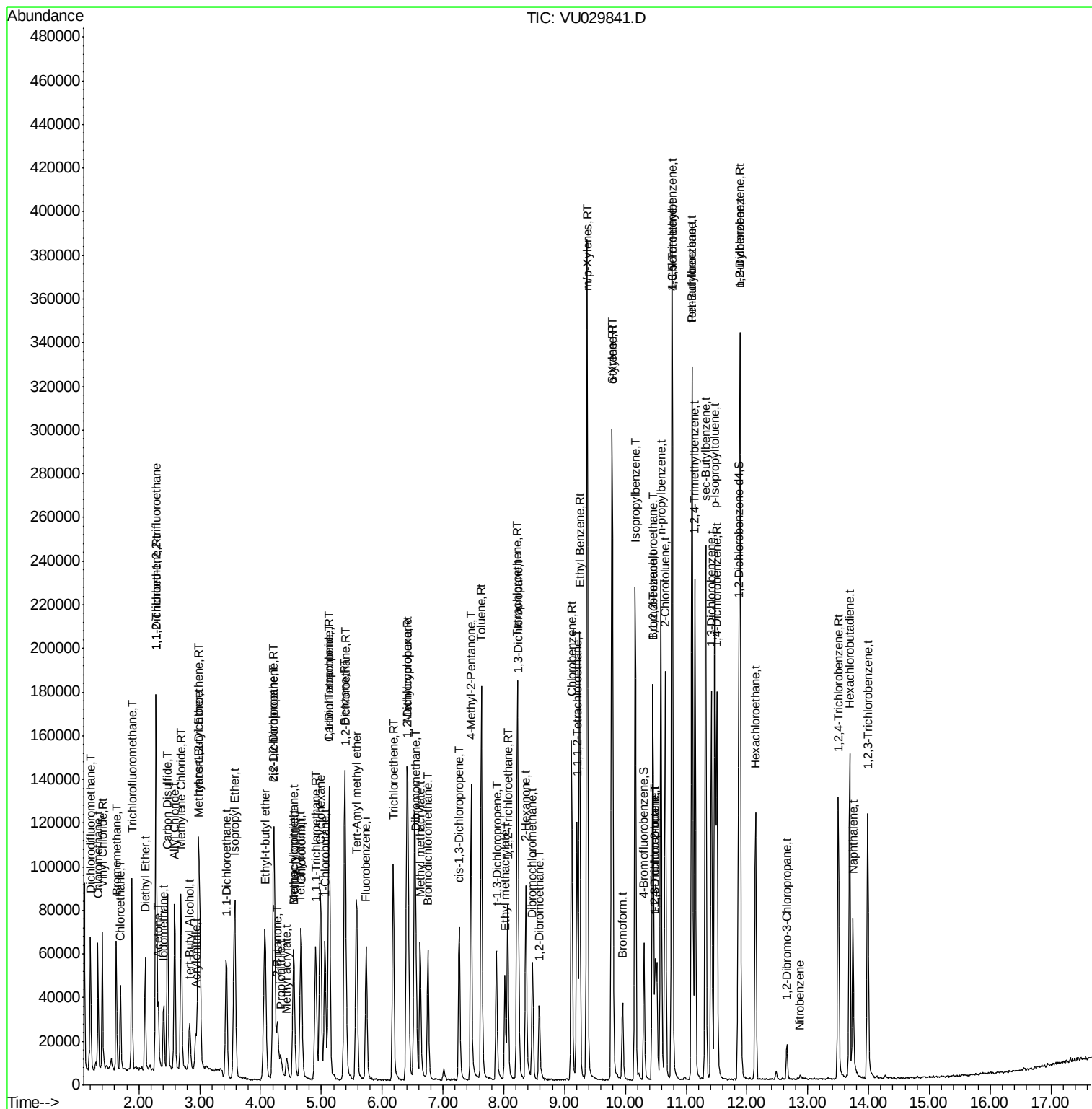
(#) = qualifier out of range (m) = manual integration (+) = signals summed

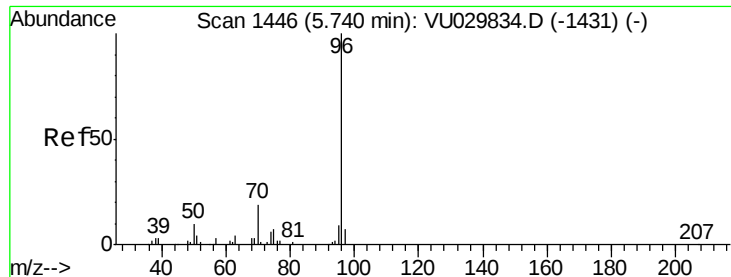
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Acq On       : 06 Mar 2019   16:03
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#1

Fluorobenzene

Concen: 1.000 ug/l

RT: 5.74 min Scan# 1446

Delta R.T. -0.00 min

Lab File: VU029841.D

Acq: 06 Mar 2019 16:03

Instrument :

MSVOA_U

ClientSampleId :

VU0307WBSD01

Tgt Ion: 96 Resp: 62689

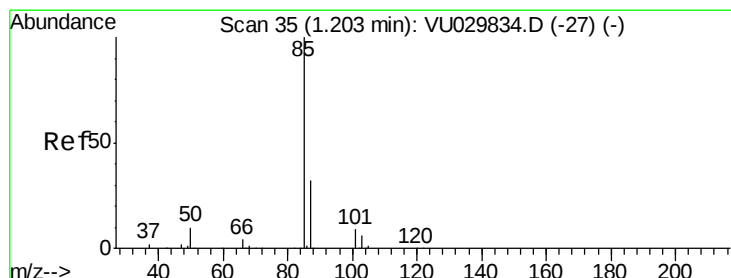
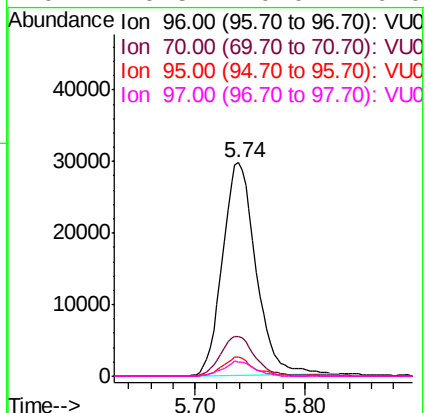
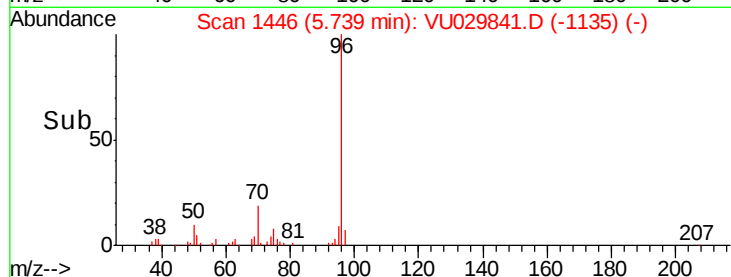
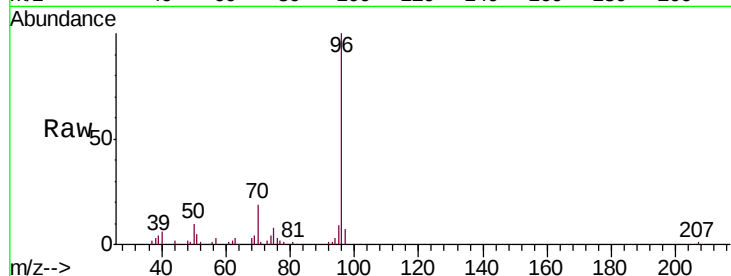
Ion Ratio Lower Upper

96 100

70 18.9 14.4 21.6

95 8.3 7.0 10.6

97 6.5 0.0 0.0#



#2

Dichlorodifluoromethane

Concen: 1.868 ug/l

RT: 1.20 min Scan# 35

Delta R.T. -0.00 min

Lab File: VU029841.D

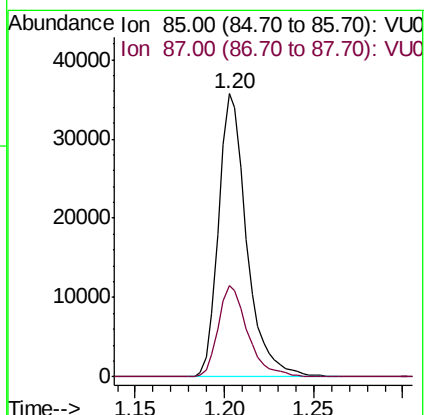
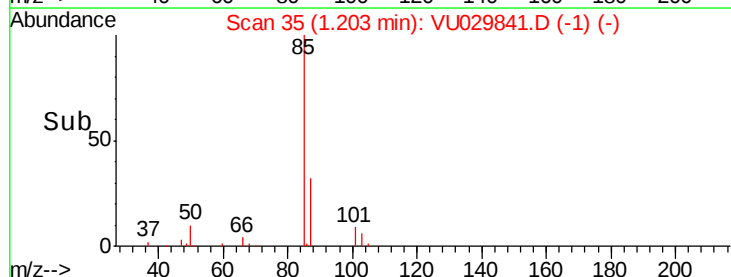
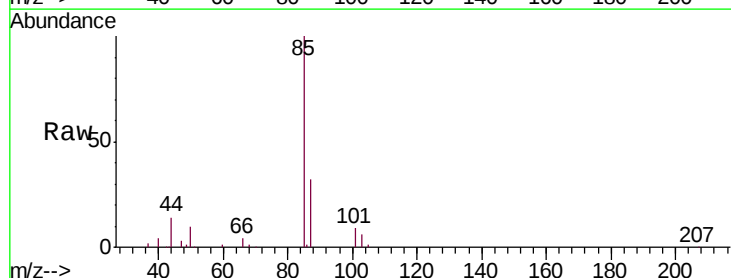
Acq: 06 Mar 2019 16:03

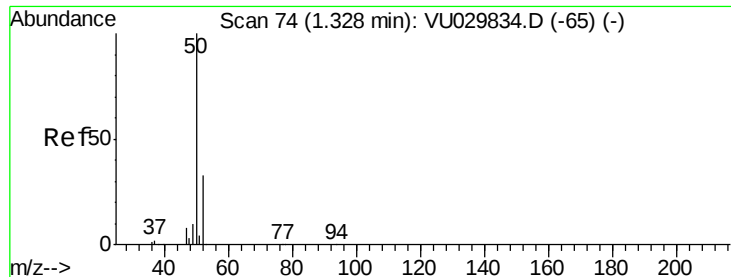
Tgt Ion: 85 Resp: 39194

Ion Ratio Lower Upper

85 100

87 32.3 16.2 48.6





#3

Chloromethane

Concen: 1.913 ug/l

RT: 1.33 min Scan# 74

Delta R.T. -0.00 min

Lab File: VU029841.D

Acq: 06 Mar 2019 16:03

Instrument :

MSVOA_U

ClientSampleId :

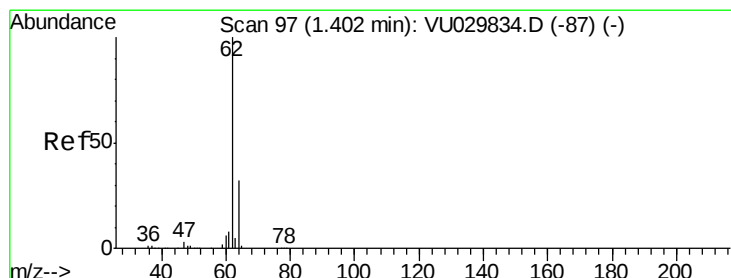
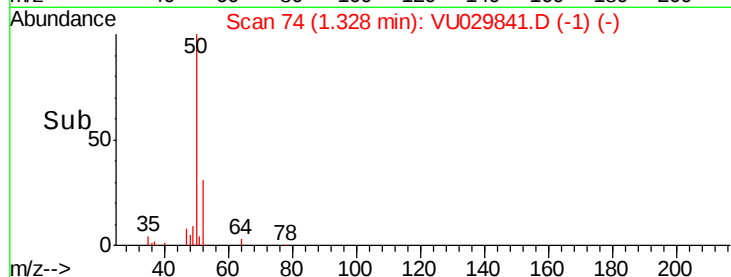
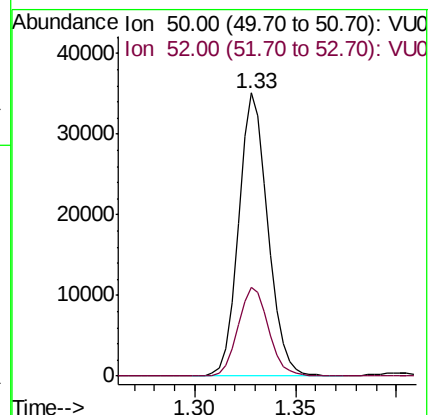
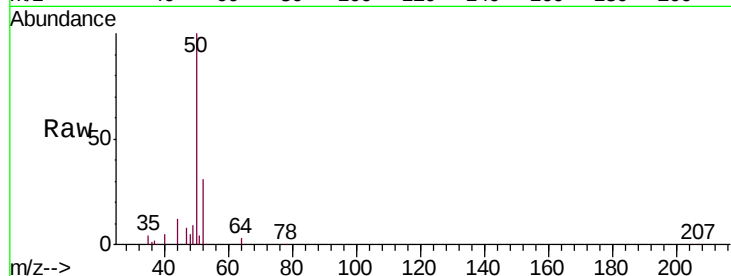
VU0307WBSD01

Tgt Ion: 50 Resp: 35738

Ion Ratio Lower Upper

50 100

52 31.2 26.5 39.7



#4

Vinyl Chloride

Concen: 1.935 ug/l

RT: 1.40 min Scan# 96

Delta R.T. -0.00 min

Lab File: VU029841.D

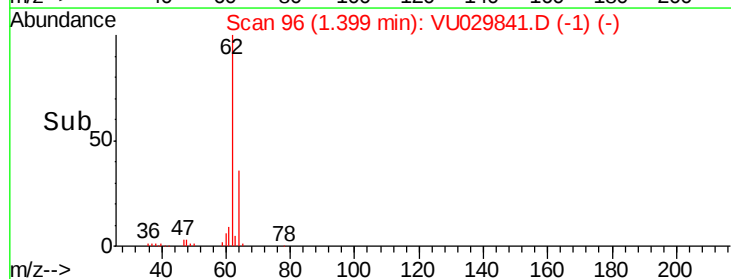
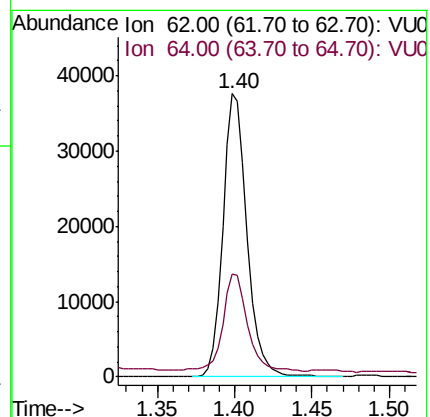
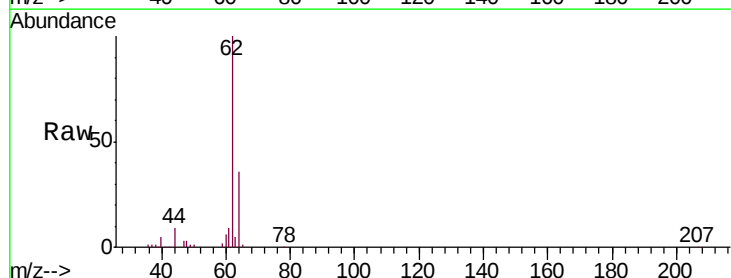
Acq: 06 Mar 2019 16:03

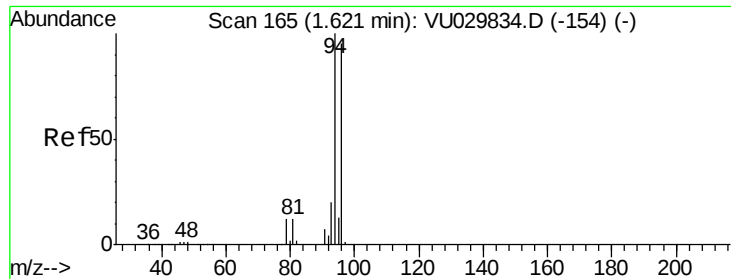
Tgt Ion: 62 Resp: 40652

Ion Ratio Lower Upper

62 100

64 34.4 25.7 38.5





#5

Bromomethane

Concen: 1.835 ug/l

RT: 1.63 min Scan# 167

Delta R.T. 0.01 min

Lab File: VU029841.D

Acq: 06 Mar 2019 16:03

Instrument :

MSVOA_U

ClientSampleId :

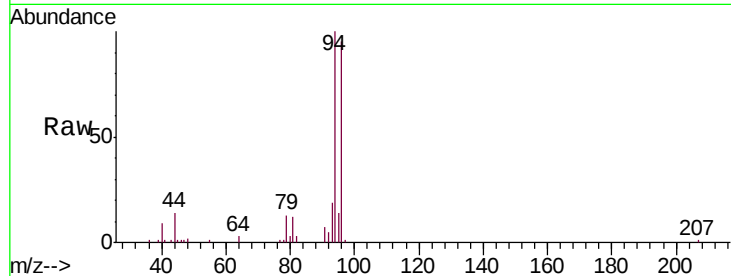
VU0307WBSD01

Tgt Ion: 94 Resp: 26338

Ion Ratio Lower Upper

94 100

96 95.0 76.4 114.6



Abundance Ion 94.00 (93.70 to 94.70): VU029841.D (-154) (-)

Ion 96.00 (95.70 to 96.70): VU029841.D (-154) (-)

1.63

20000

15000

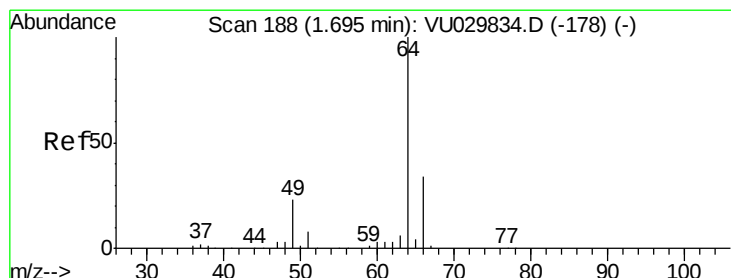
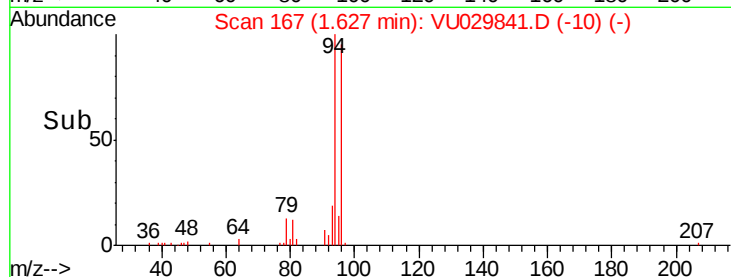
10000

5000

0

Time-->

1.55 1.60 1.65 1.70



#6

Chloroethane

Concen: 1.949 ug/l

RT: 1.70 min Scan# 189

Delta R.T. 0.00 min

Lab File: VU029841.D

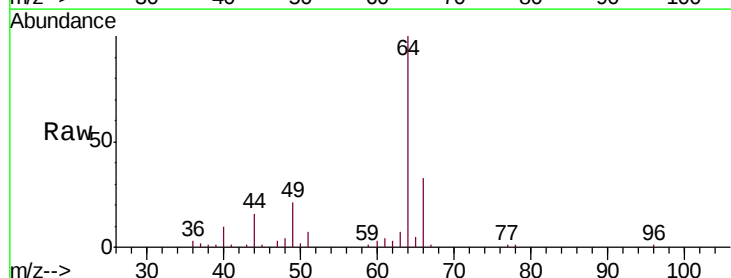
Acq: 06 Mar 2019 16:03

Tgt Ion: 64 Resp: 24556

Ion Ratio Lower Upper

64 100

66 33.3 27.3 40.9



Abundance Ion 64.00 (63.70 to 64.70): VU029841.D (-178) (-)

Ion 66.00 (65.70 to 66.70): VU029841.D (-178) (-)

1.70

20000

15000

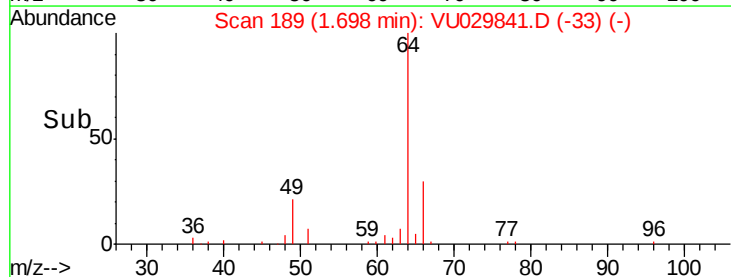
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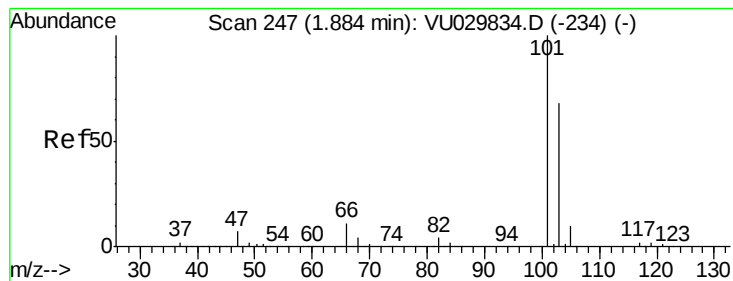
5000

0

Time-->

1.65 1.70 1.75



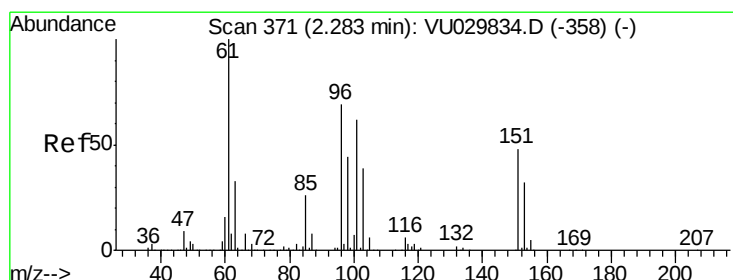
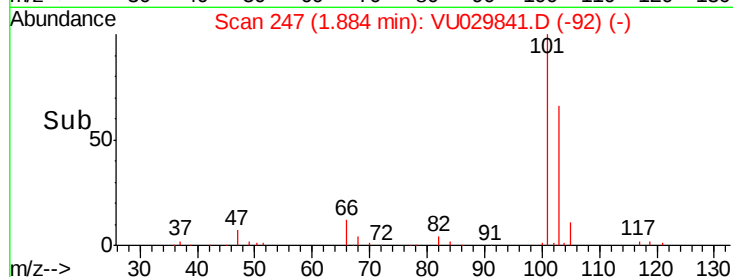
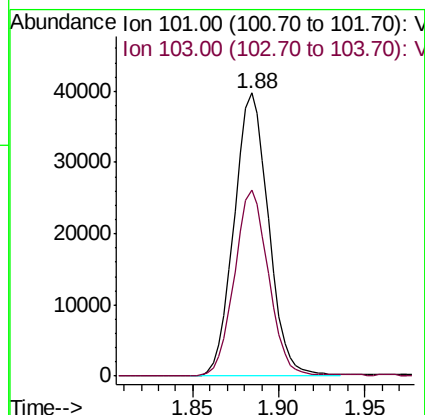
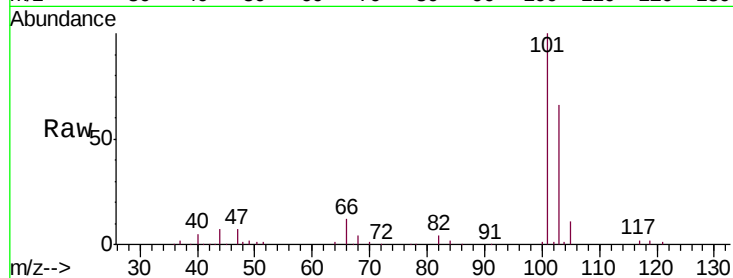


#7

Trichlorofluoromethane
Concen: 1.933 ug/l
RT: 1.88 min Scan# 247
Delta R.T. -0.00 min
Lab File: VU029841.D
Acq: 06 Mar 2019 16:03

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MSVOA_U
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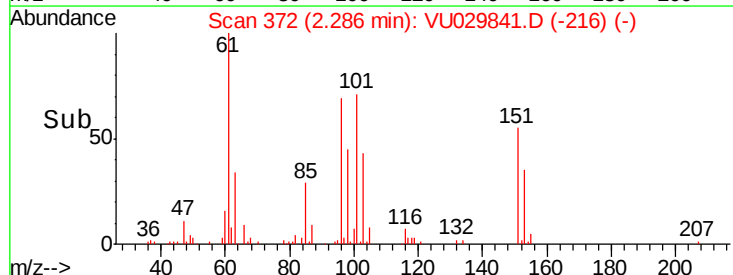
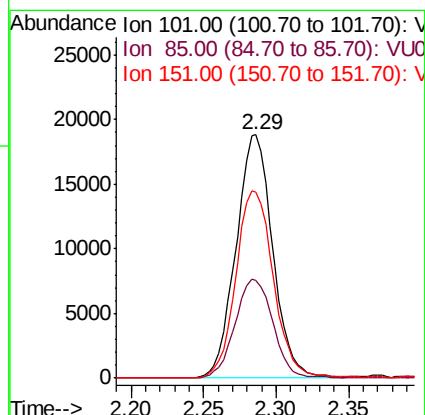
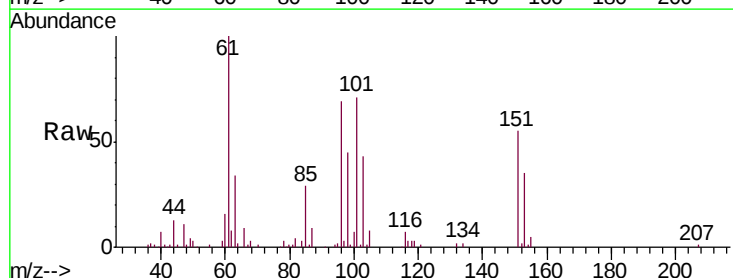
Tgt Ion:101 Resp: 55346
Ion Ratio Lower Upper
101 100
103 65.8 54.2 81.2

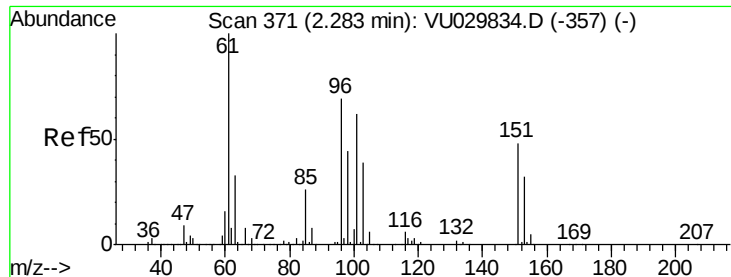


#8

1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 1.985 ug/l
RT: 2.29 min Scan# 372
Delta R.T. 0.00 min
Lab File: VU029841.D
Acq: 06 Mar 2019 16:03

Tgt Ion:101 Resp: 33061
Ion Ratio Lower Upper
101 100
85 41.8 33.4 50.0
151 79.1 64.6 97.0





#9

1,1-Dichloroethene

Concen: 1.899 ug/l

RT: 2.28 min Scan# 371

Delta R.T. -0.00 min

Lab File: VU029841.D

Acq: 06 Mar 2019 16:03

Instrument :

MSVOA_U

ClientSampleId :

VU0307WBSD01

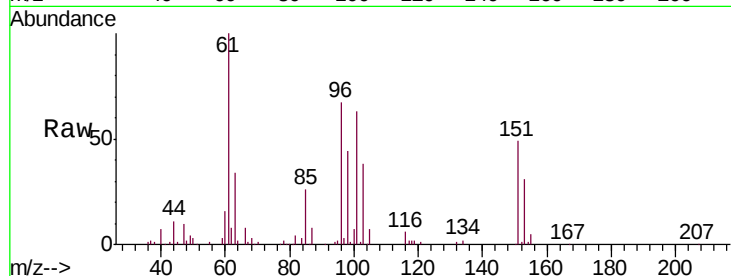
Tgt Ion: 96 Resp: 30973

Ion Ratio Lower Upper

96 100

61 148.2 0.0 435.3

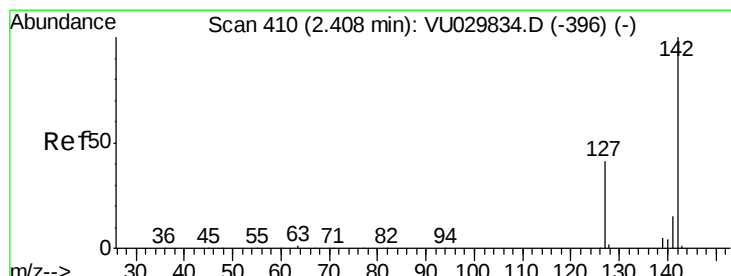
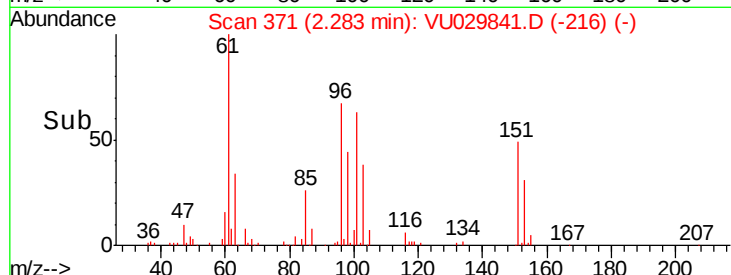
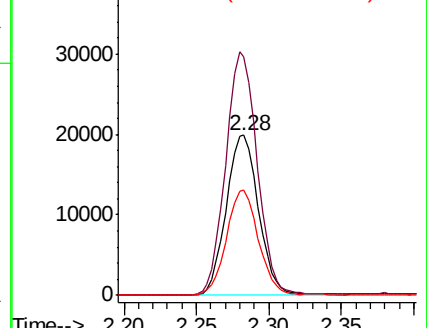
98 65.5 0.0 128.6



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: 2.037 ug/l

RT: 2.41 min Scan# 410

Delta R.T. 0.00 min

Lab File: VU029841.D

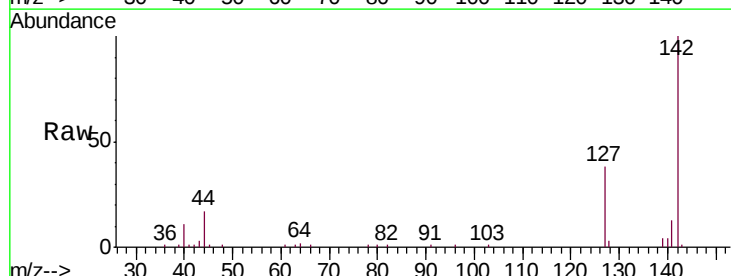
Acq: 06 Mar 2019 16:03

Tgt Ion: 142 Resp: 28149

Ion Ratio Lower Upper

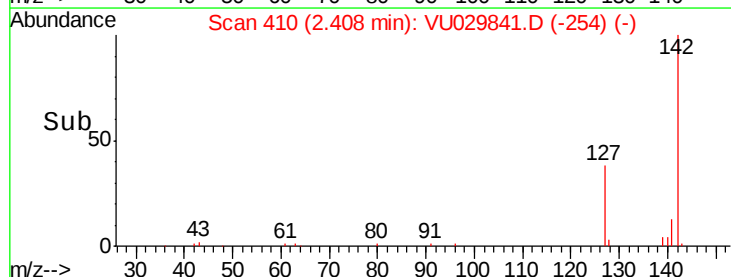
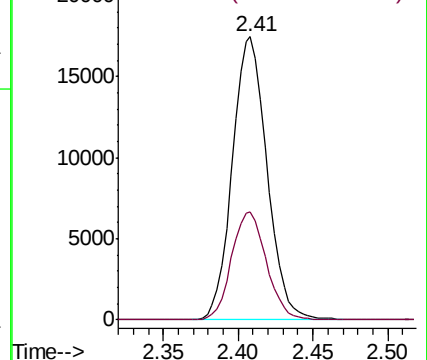
142 100

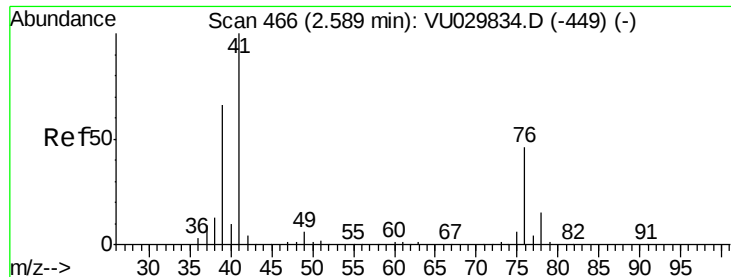
127 38.3 32.3 48.5



Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

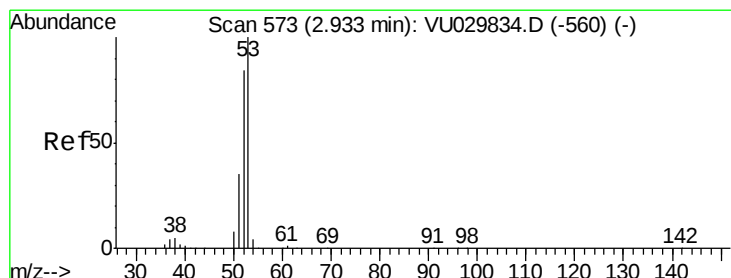
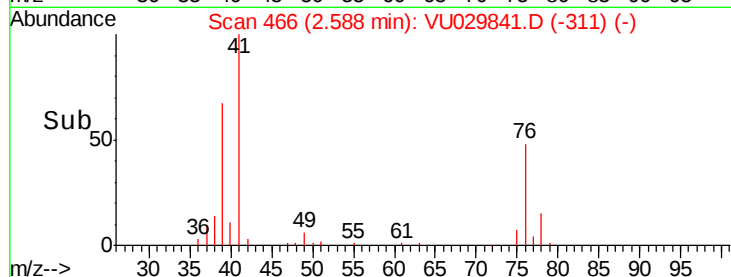
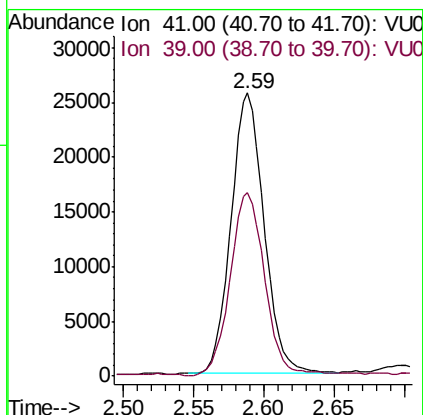
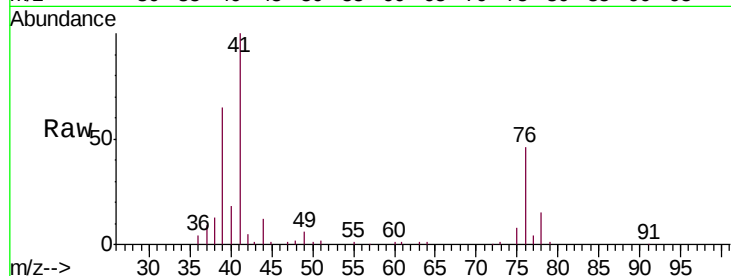




#11
 Allyl Chloride
 Concen: 1.829 ug/l
 RT: 2.59 min Scan# 466
 Delta R.T. -0.00 min
 Lab File: VU029841.D
 Acq: 06 Mar 2019 16:03

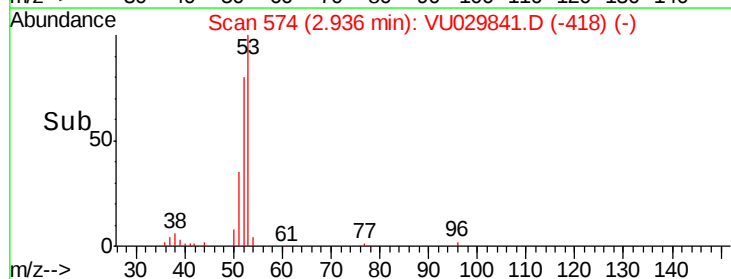
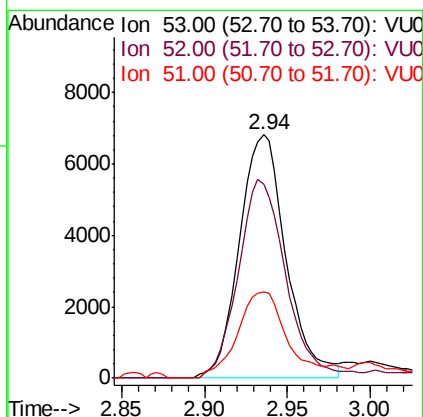
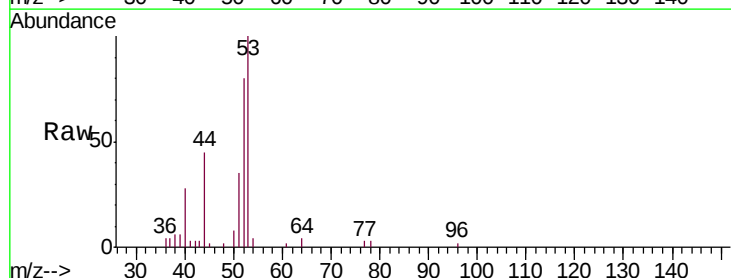
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0307WBSD01

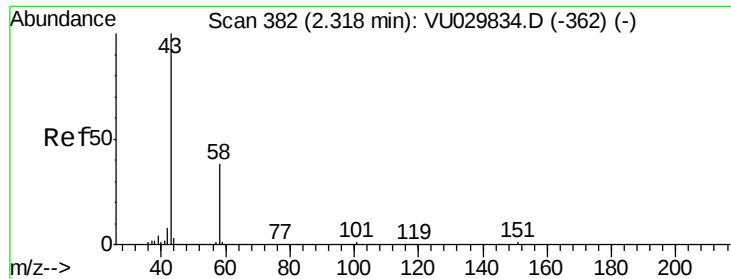
Tgt Ion: 41 Resp: 41936
 Ion Ratio Lower Upper
 41 100
 39 69.3 51.6 77.4



#12
 Acrylonitrile
 Concen: 3.761 ug/l
 RT: 2.94 min Scan# 574
 Delta R.T. 0.00 min
 Lab File: VU029841.D
 Acq: 06 Mar 2019 16:03

Tgt Ion: 53 Resp: 13372
 Ion Ratio Lower Upper
 53 100
 52 82.0 66.5 99.7
 51 39.2 28.6 42.8





#13

Acetone

Concen: 9.129 ug/l

RT: 2.32 min Scan# 383

Delta R.T. 0.00 min

Lab File: VU029841.D

Acq: 06 Mar 2019 16:03

Instrument :

MSVOA_U

ClientSampleId :

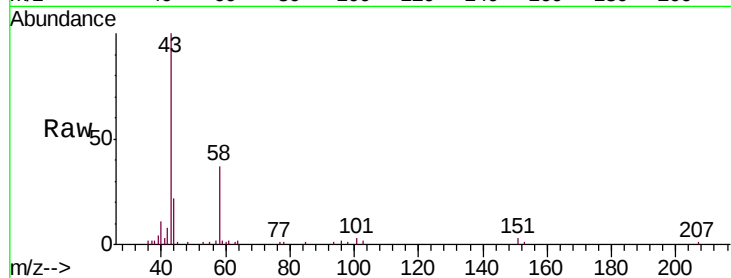
VU0307WBSD01

Tgt Ion: 43 Resp: 26881

Ion Ratio Lower Upper

43 100

58 37.4 30.2 45.2



Abundance Ion 43.00 (42.70 to 43.70): VU029834.D (-362) (-)

Ion 58.00 (57.70 to 58.70): VU029834.D (-362) (-)

2.32

15000

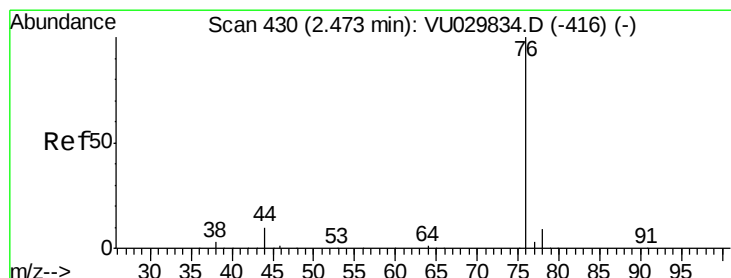
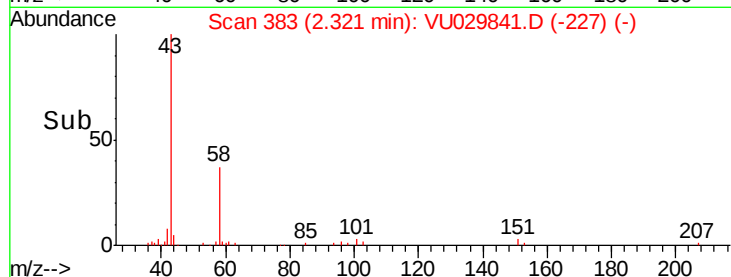
10000

5000

0

Time-->

2.25 2.30 2.35 2.40



#14

Carbon Disulfide

Concen: 1.859 ug/l

RT: 2.47 min Scan# 430

Delta R.T. -0.00 min

Lab File: VU029841.D

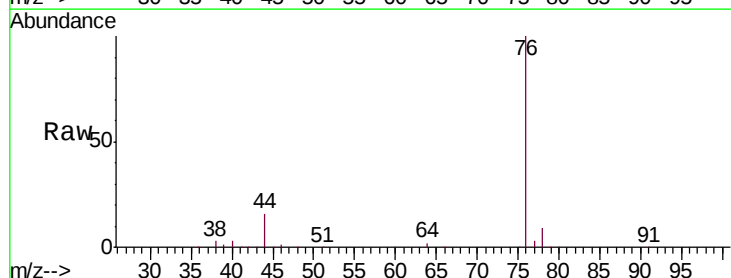
Acq: 06 Mar 2019 16:03

Tgt Ion: 76 Resp: 98166

Ion Ratio Lower Upper

76 100

78 8.9 7.2 10.8



Abundance Ion 76.00 (75.70 to 76.70): VU029834.D (-416) (-)

Ion 78.00 (77.70 to 78.70): VU029834.D (-416) (-)

2.47

60000

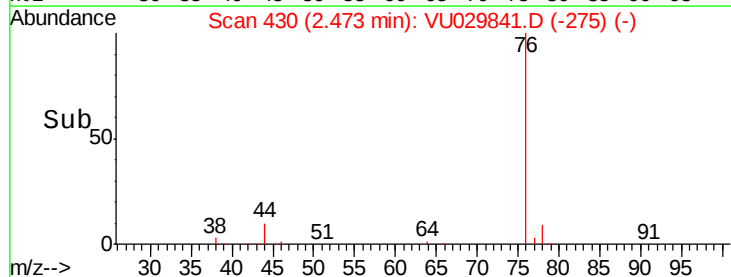
40000

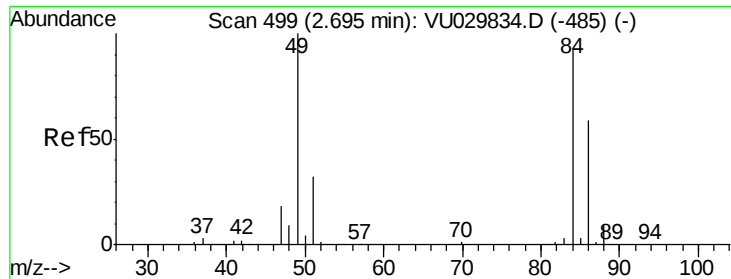
20000

0

Time-->

2.40 2.45 2.50 2.55

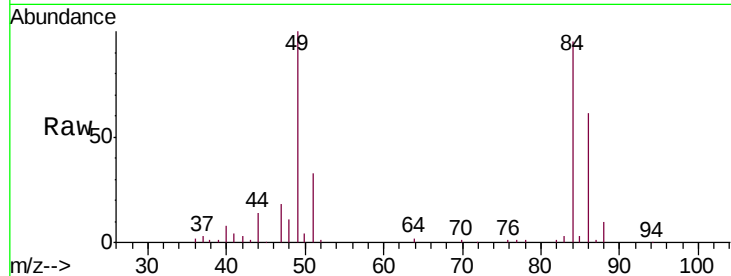




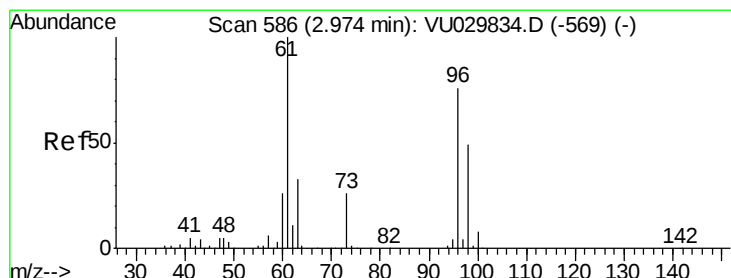
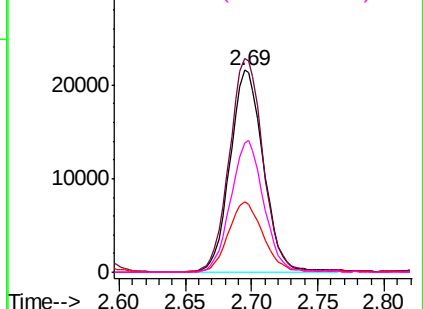
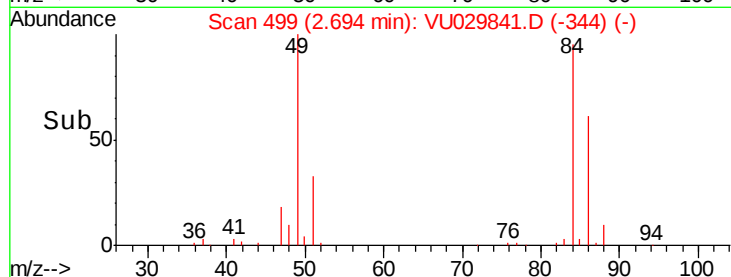
#15
Methylene Chloride
Concen: 1.931 ug/l
RT: 2.69 min Scan# 499
Delta R.T. -0.00 min
Lab File: VU029841.D
Acq: 06 Mar 2019 16:03

Instrument :
MSVOA_U
ClientSampleId :
VU0307WBSD01

Tgt Ion: 84 Resp: 37780
Ion Ratio Lower Upper
84 100
49 105.7 87.2 130.8
51 34.4 0.0 69.0
86 64.0 51.3 76.9

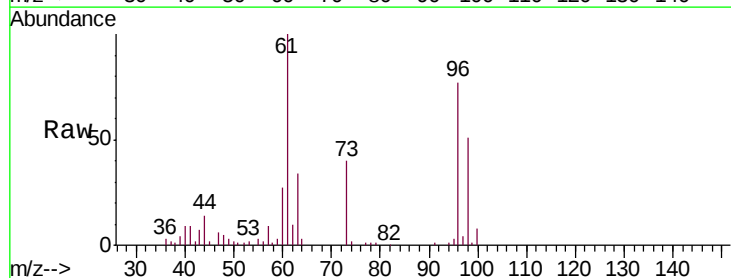


Abundance Ion 84.00 (83.70 to 84.70): VU0
Ion 49.00 (48.70 to 49.70): VU0
Ion 51.00 (50.70 to 51.70): VU0
Ion 86.00 (85.70 to 86.70): VU0

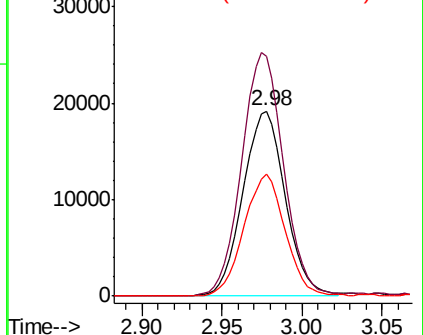
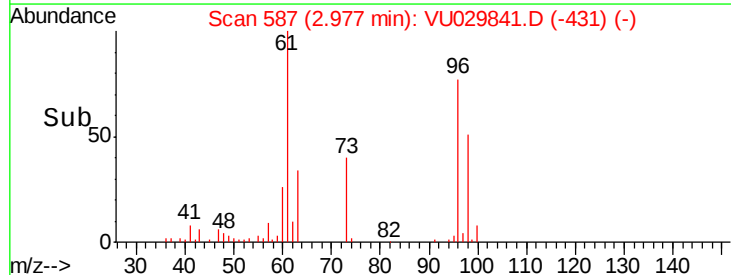


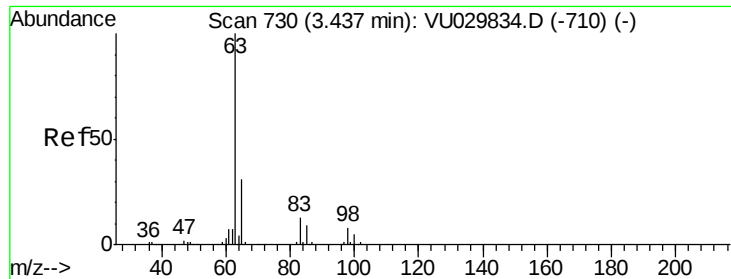
#16
trans-1,2-Dichloroethene
Concen: 1.891 ug/l
RT: 2.98 min Scan# 587
Delta R.T. 0.00 min
Lab File: VU029841.D
Acq: 06 Mar 2019 16:03

Tgt Ion: 96 Resp: 34836
Ion Ratio Lower Upper
96 100
61 129.5 104.7 157.1
98 66.0 50.9 76.3



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

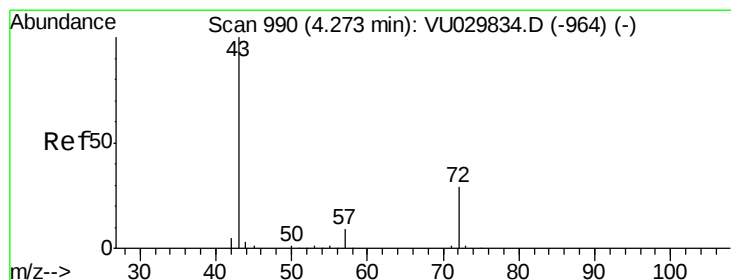
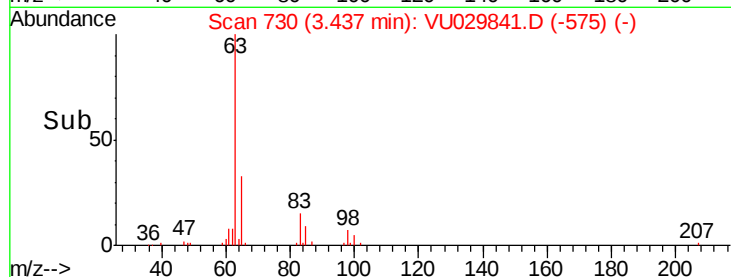
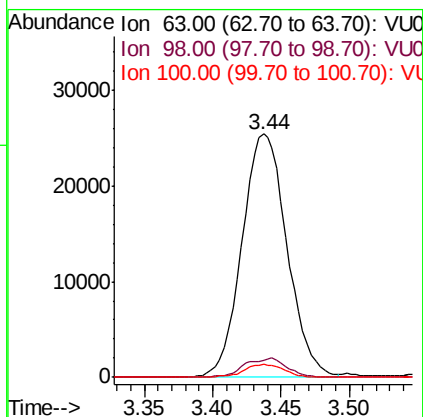
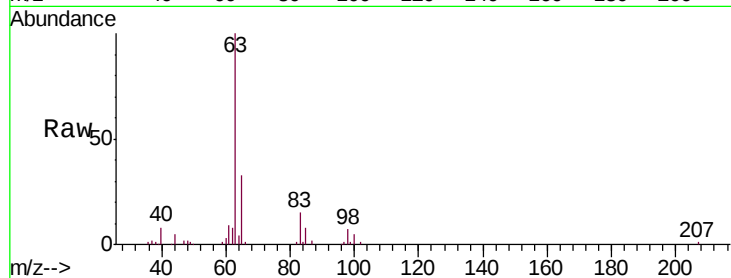




#17
 1,1-Dichloroethane
 Concen: 1.889 ug/l
 RT: 3.44 min Scan# 730
 Delta R.T. -0.00 min
 Lab File: VU029841.D
 Acq: 06 Mar 2019 16:03

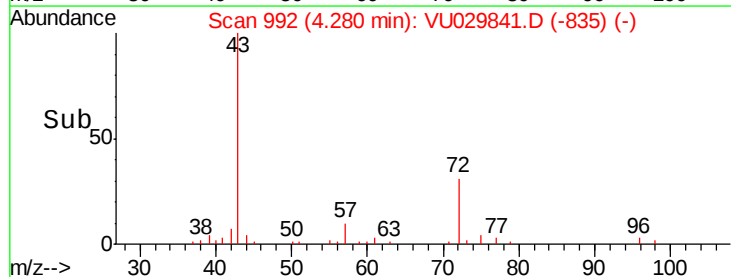
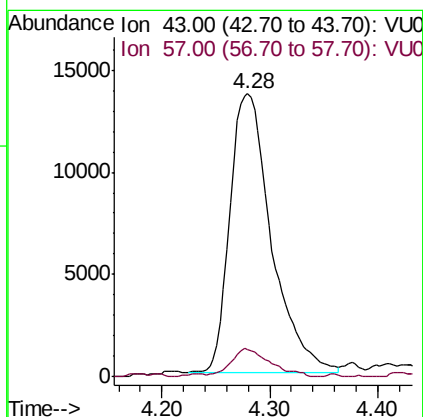
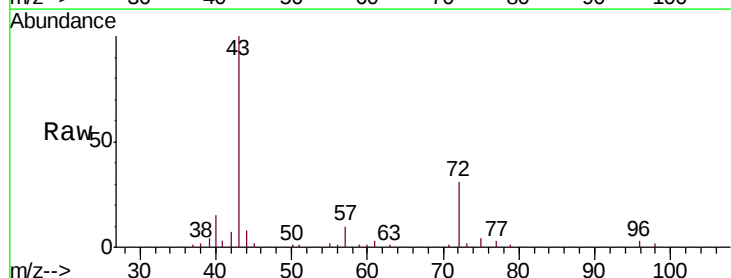
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0307WBSD01

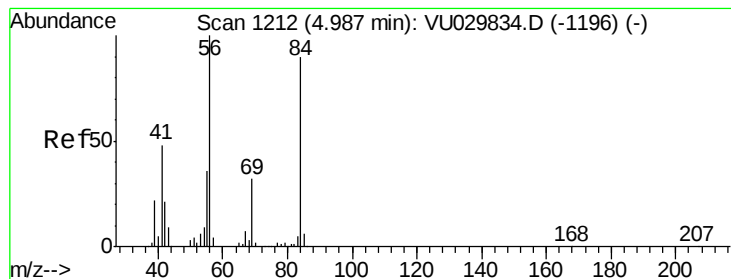
Tgt Ion	Ratio	Lower	Upper
63	100		
98	7.0	3.8	11.4
100	5.4	2.4	7.1



#18
 2-Butanone
 Concen: 9.187 ug/l
 RT: 4.28 min Scan# 992
 Delta R.T. 0.01 min
 Lab File: VU029841.D
 Acq: 06 Mar 2019 16:03

Tgt Ion	Ratio	Lower	Upper
43	100		
57	9.2	0.0	18.6





#19

Cyclohexane

Concen: 1.881 ug/l

RT: 4.99 min Scan# 1212

Delta R.T. -0.00 min

Lab File: VU029841.D

Acq: 06 Mar 2019 16:03

Instrument :

MSVOA_U

ClientSampleId :

VU0307WBSD01

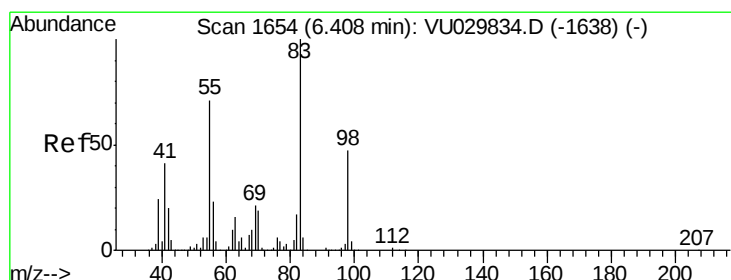
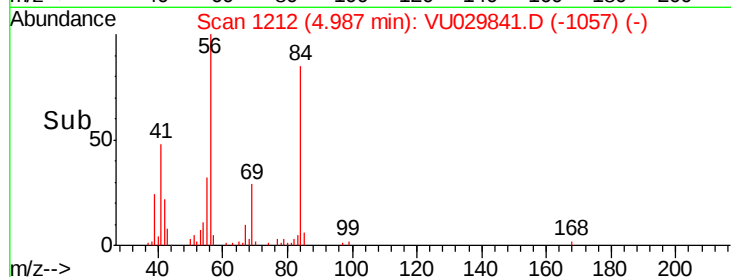
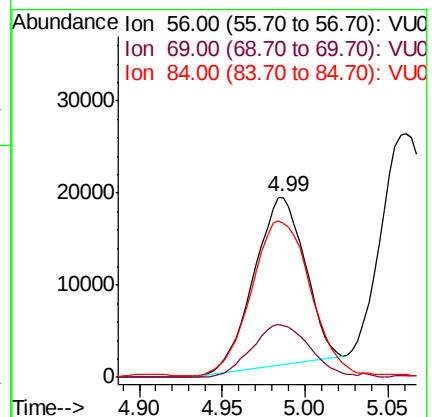
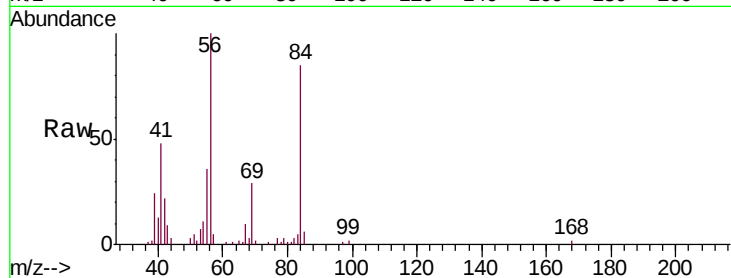
Tgt Ion: 56 Resp: 39076

Ion Ratio Lower Upper

56 100

69 34.2 29.4 44.2

84 105.8 84.6 127.0



#20

Methylcyclohexane

Concen: 1.887 ug/l

RT: 6.41 min Scan# 1654

Delta R.T. -0.00 min

Lab File: VU029841.D

Acq: 06 Mar 2019 16:03

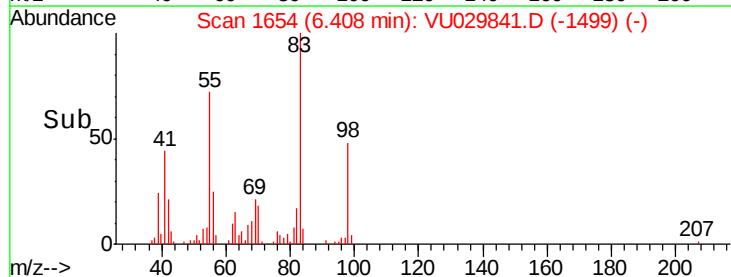
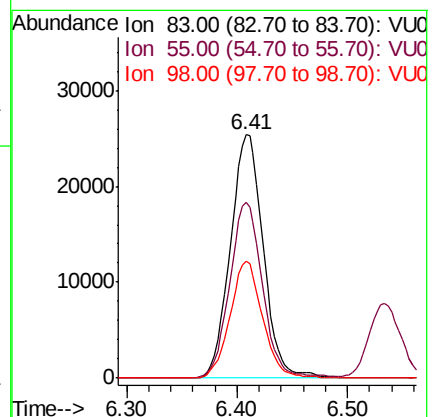
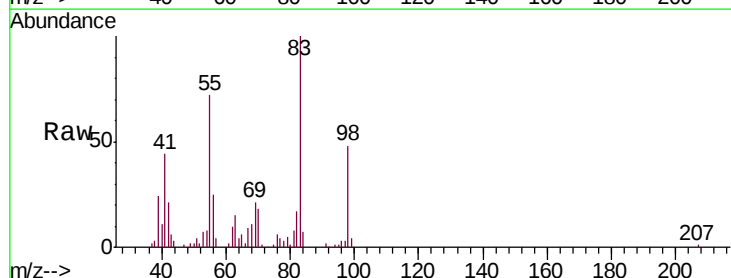
Tgt Ion: 83 Resp: 52600

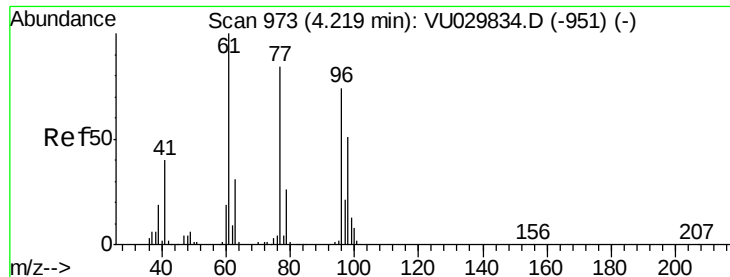
Ion Ratio Lower Upper

83 100

55 71.1 55.9 83.9

98 47.4 37.0 55.4





#21

2,2-Dichloropropane

Concen: 1.860 ug/l

RT: 4.22 min Scan# 973

Delta R.T. -0.00 min

Lab File: VU029841.D

Acq: 06 Mar 2019 16:03

Instrument :

MSVOA_U

ClientSampleId :

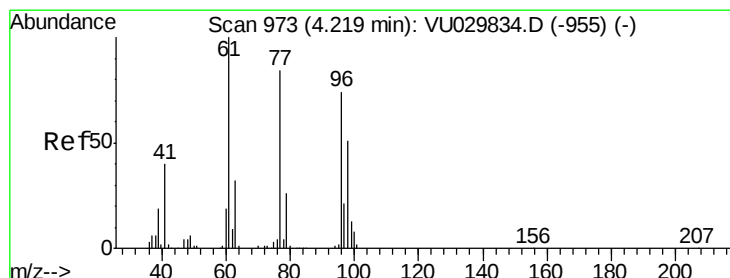
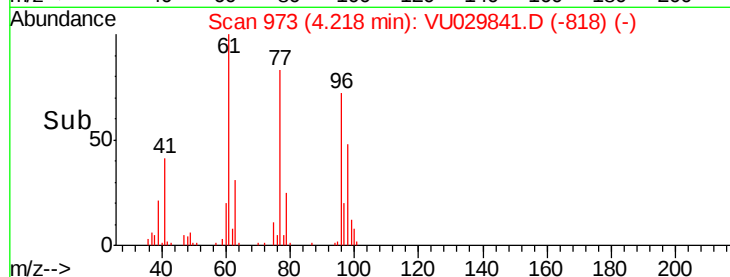
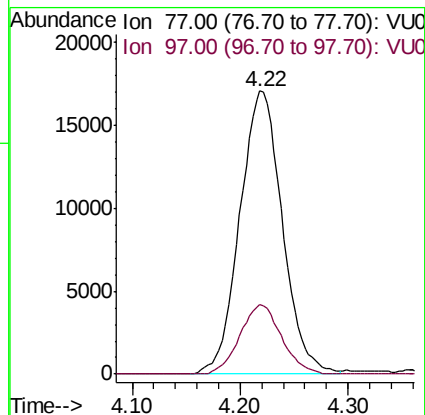
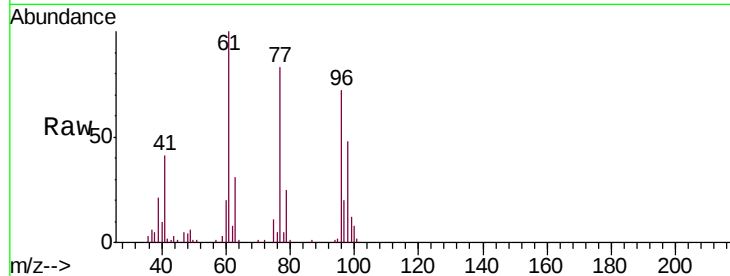
VU0307WBSD01

Tgt Ion: 77 Resp: 46848

Ion Ratio Lower Upper

77 100

97 23.9 20.2 30.2



#22

cis-1,2-Dichloroethene

Concen: 1.928 ug/l

RT: 4.22 min Scan# 974

Delta R.T. 0.00 min

Lab File: VU029841.D

Acq: 06 Mar 2019 16:03

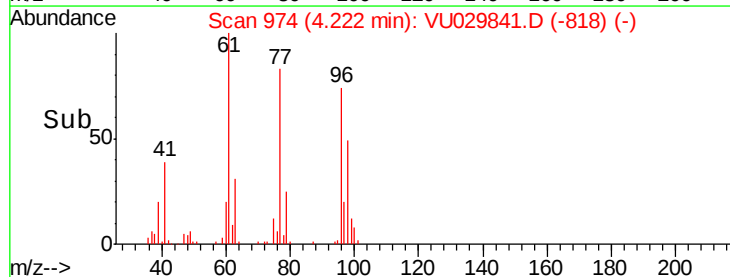
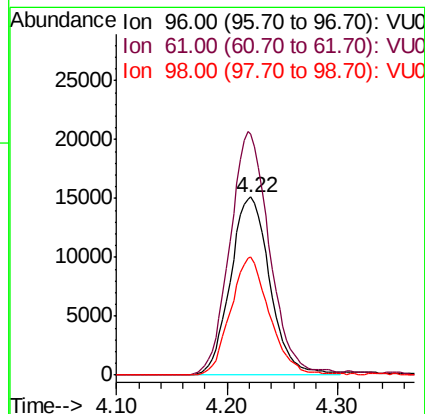
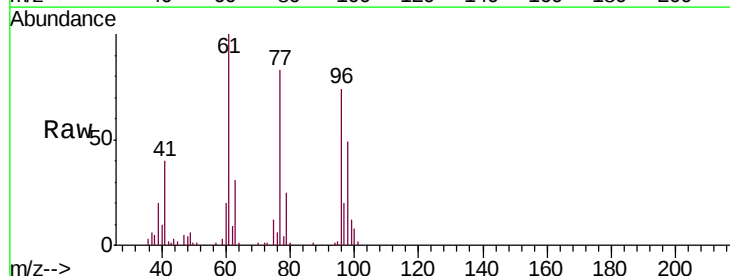
Tgt Ion: 96 Resp: 37646

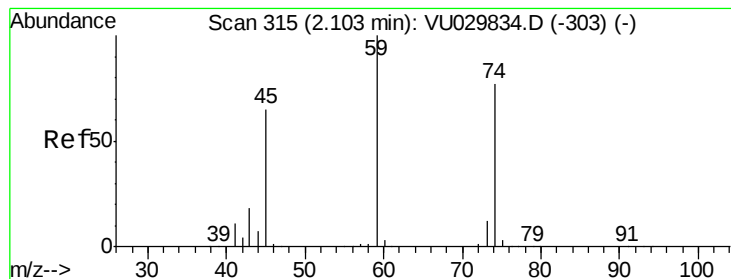
Ion Ratio Lower Upper

96 100

61 135.9 0.0 339.0

98 65.1 33.1 99.5





#23

Diethyl Ether

Concen: 1.927 ug/l

RT: 2.10 min Scan# 315

Delta R.T. -0.00 min

Lab File: VU029841.D

Acq: 06 Mar 2019 16:03

Instrument :

MSVOA_U

ClientSampleId :

VU0307WBSD01

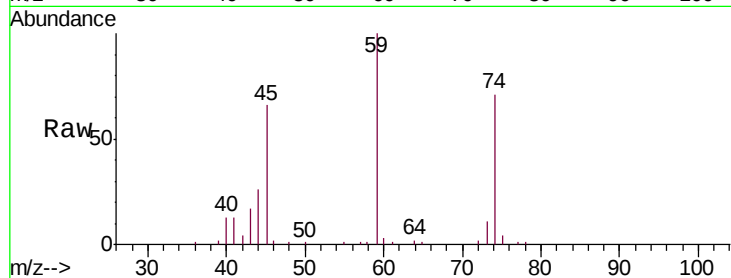
Tgt Ion: 59 Resp: 23555

Ion Ratio Lower Upper

59 100

45 65.2 52.7 79.1

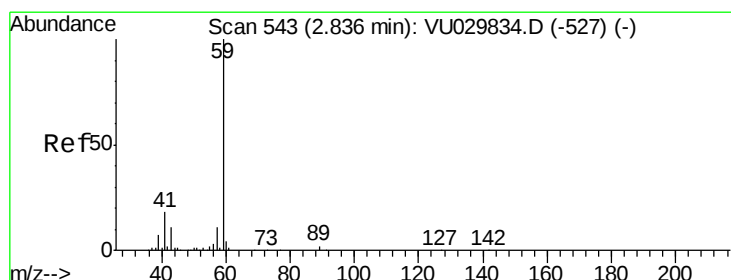
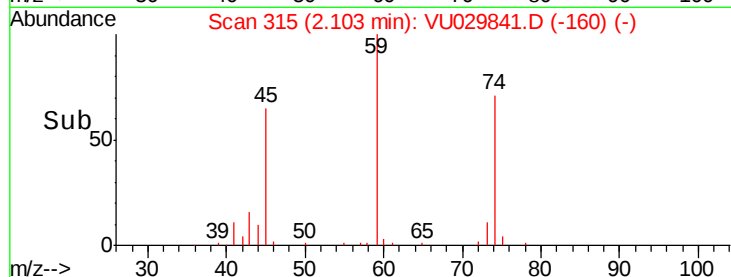
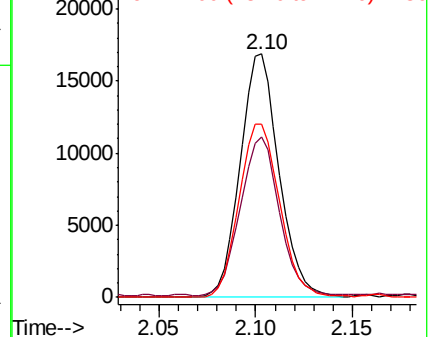
74 74.5 61.8 92.6



Abundance Ion 59.00 (58.70 to 59.70): VU0

Ion 45.00 (44.70 to 45.70): VU0

Ion 74.00 (73.70 to 74.70): VU0



#24

tert-Butyl Alcohol

Concen: 18.892 ug/l

RT: 2.83 min Scan# 542

Delta R.T. -0.00 min

Lab File: VU029841.D

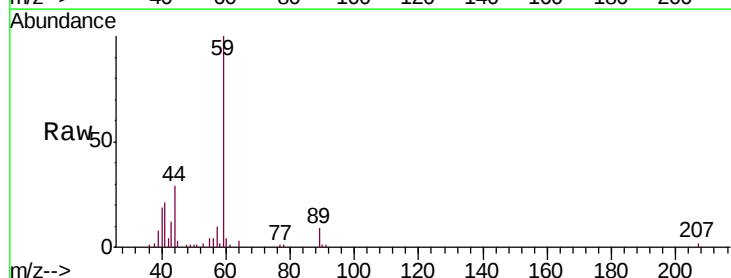
Acq: 06 Mar 2019 16:03

Tgt Ion: 59 Resp: 23824

Ion Ratio Lower Upper

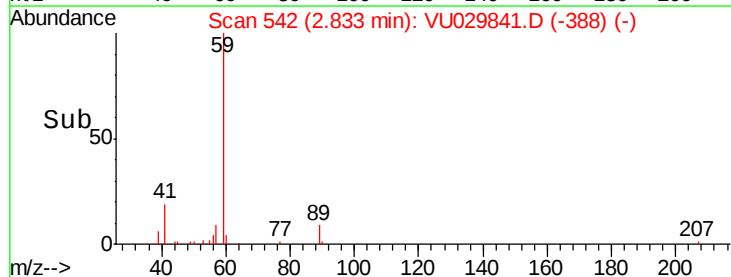
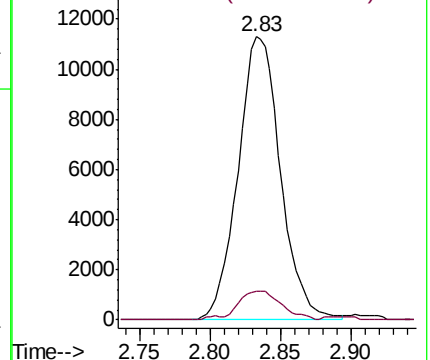
59 100

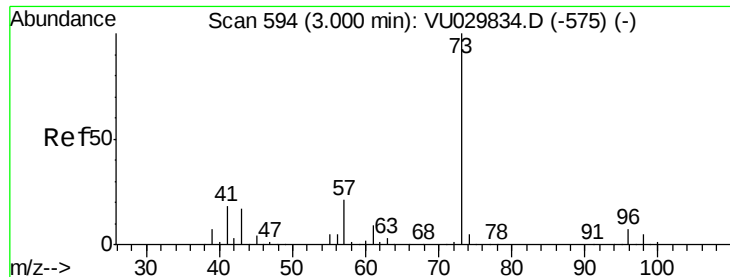
57 10.6 8.5 12.7



Abundance Ion 59.00 (58.70 to 59.70): VU0

Ion 57.00 (56.70 to 57.70): VU0



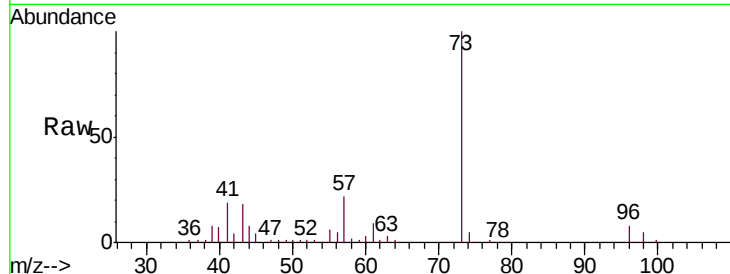


#25

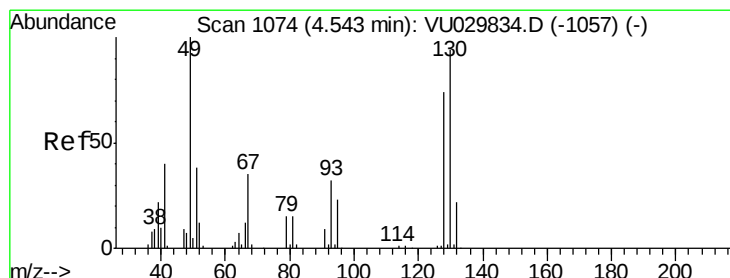
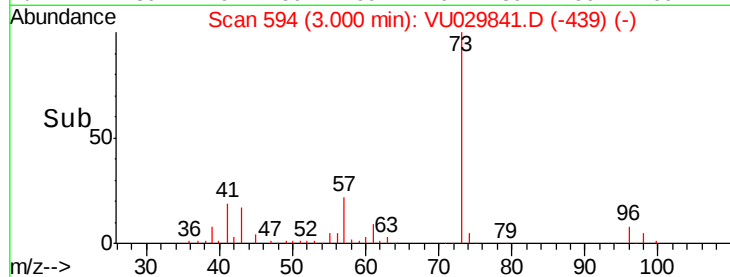
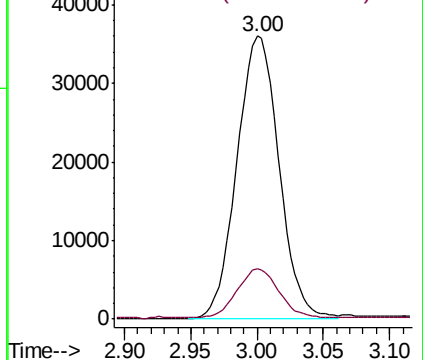
Methyl tert-Butyl Ether
 Concen: 1.944 ug/l
 RT: 3.00 min Scan# 594
 Delta R.T. -0.00 min
 Lab File: VU029841.D
 Acq: 06 Mar 2019 16:03

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0307WBSD01

Tgt Ion: 73 Resp: 79838
 Ion Ratio Lower Upper
 73 100
 43 17.2 13.1 19.7



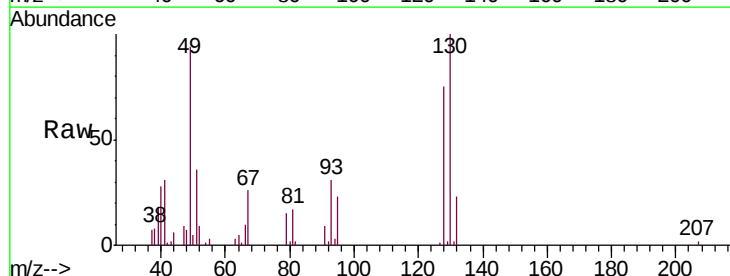
Abundance Ion 73.00 (72.70 to 73.70): VU029834.D (-575) (-)
 Ion 43.00 (42.70 to 43.70): VU029834.D (-575) (-)



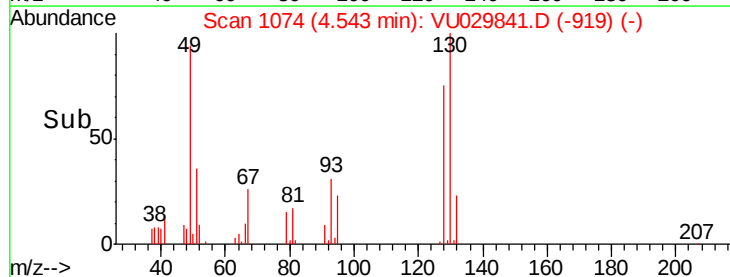
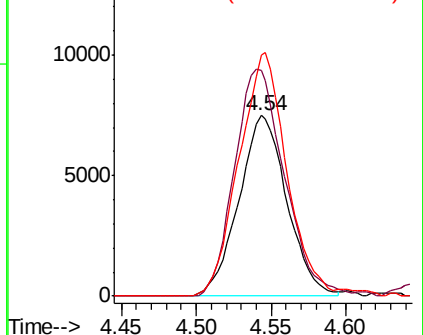
#26

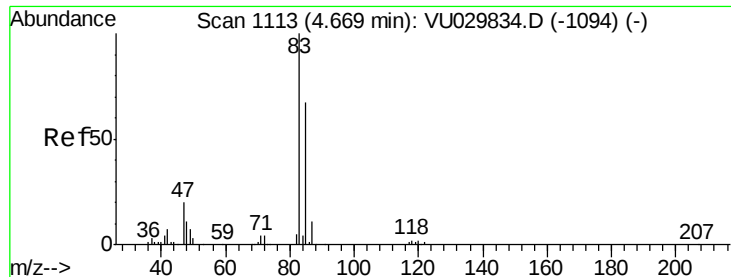
Bromochloromethane
 Concen: 1.932 ug/l
 RT: 4.54 min Scan# 1074
 Delta R.T. -0.00 min
 Lab File: VU029841.D
 Acq: 06 Mar 2019 16:03

Tgt Ion: 128 Resp: 16747
 Ion Ratio Lower Upper
 128 100
 49 131.2 0.0 270.6
 130 134.9 104.2 156.4



Abundance Ion 128.00 (127.70 to 128.70): VU029834.D (-1057) (-)
 Ion 49.00 (48.70 to 49.70): VU029834.D (-1057) (-)
 Ion 130.00 (129.70 to 130.70): VU029834.D (-1057) (-)

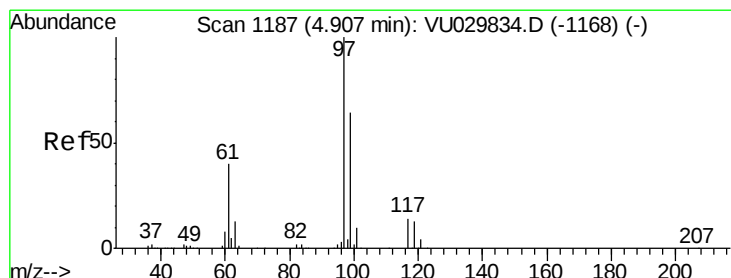
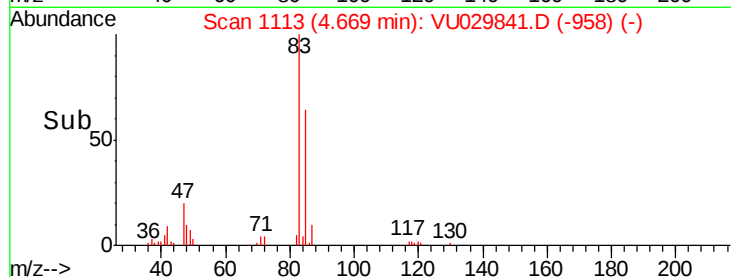
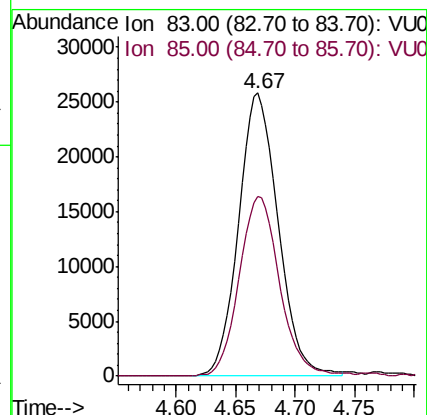
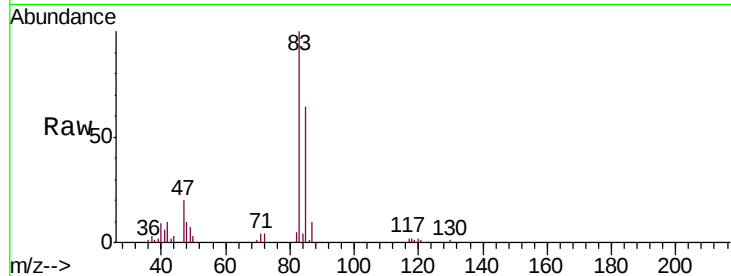




#27
Chloroform
Concen: 1.910 ug/l
RT: 4.67 min Scan# 1113
Delta R.T. -0.00 min
Lab File: VU029841.D
Acq: 06 Mar 2019 16:03

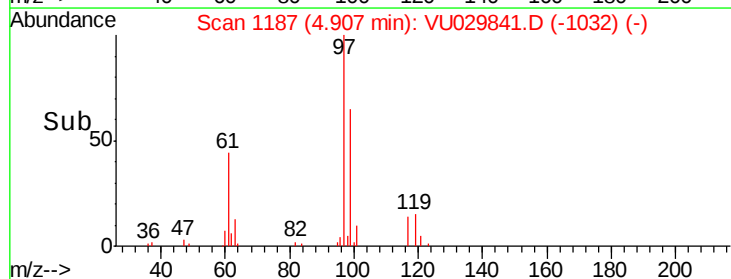
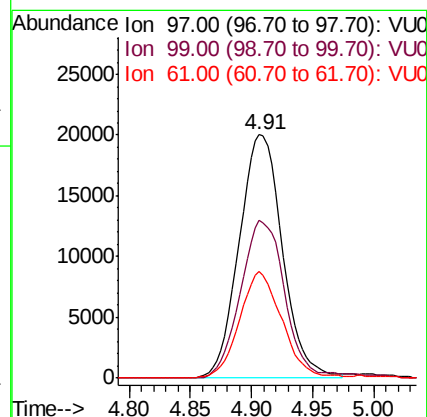
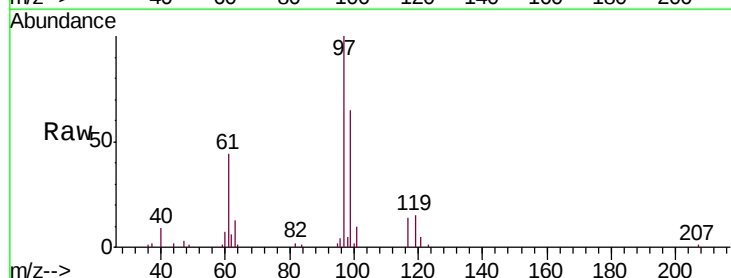
Instrument :
MSVOA_U
ClientSampleId :
VU0307WBSD01

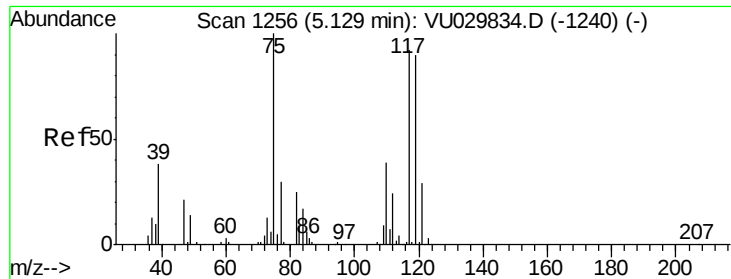
Tgt Ion: 83 Resp: 59623
Ion Ratio Lower Upper
83 100
85 63.7 0.0 133.2



#28
1,1,1-Trichloroethane
Concen: 1.862 ug/l
RT: 4.91 min Scan# 1187
Delta R.T. -0.00 min
Lab File: VU029841.D
Acq: 06 Mar 2019 16:03

Tgt Ion: 97 Resp: 49272
Ion Ratio Lower Upper
97 100
99 66.1 31.9 95.9
61 42.5 20.4 61.3





#29

1,1-Dichloropropene

Concen: 1.858 ug/l

RT: 5.13 min Scan# 1257

Delta R.T. 0.00 min

Lab File: VU029841.D

Acq: 06 Mar 2019 16:03

Instrument :

MSVOA_U

ClientSampleId :

VU0307WBSD01

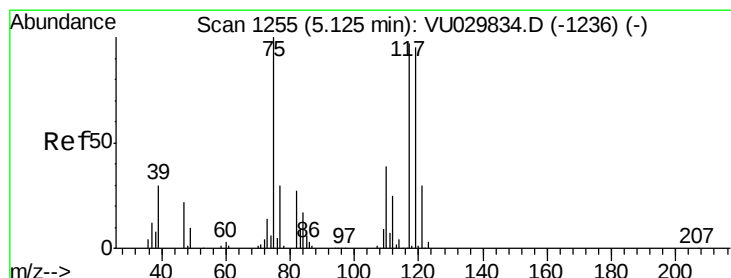
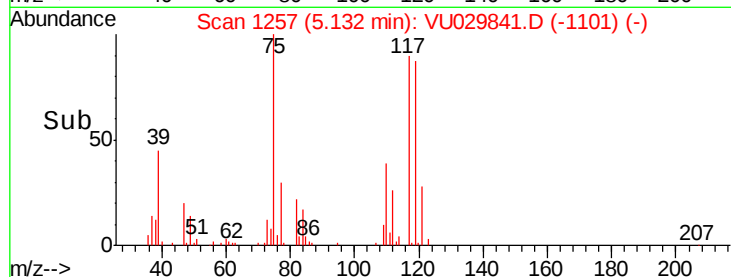
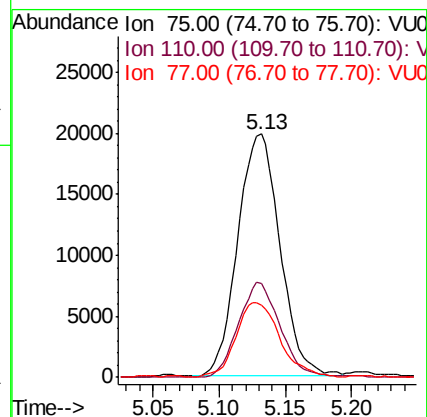
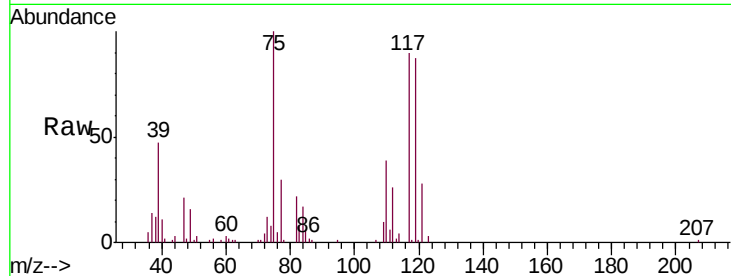
Tgt Ion: 75 Resp: 43695

Ion Ratio Lower Upper

75 100

110 38.9 19.1 57.5

77 32.6 23.9 35.9



#30

Carbon Tetrachloride

Concen: 1.903 ug/l

RT: 5.13 min Scan# 1256

Delta R.T. 0.00 min

Lab File: VU029841.D

Acq: 06 Mar 2019 16:03

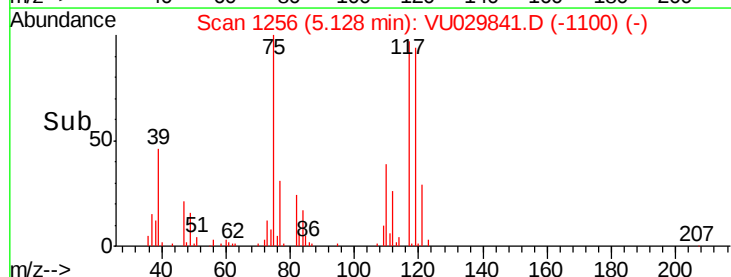
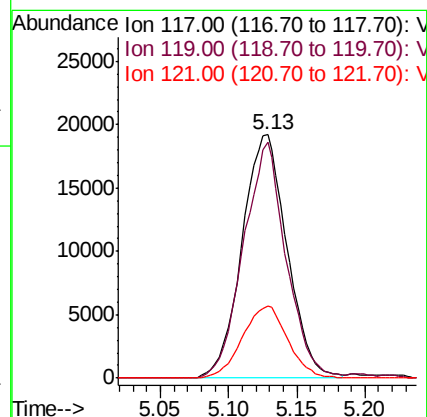
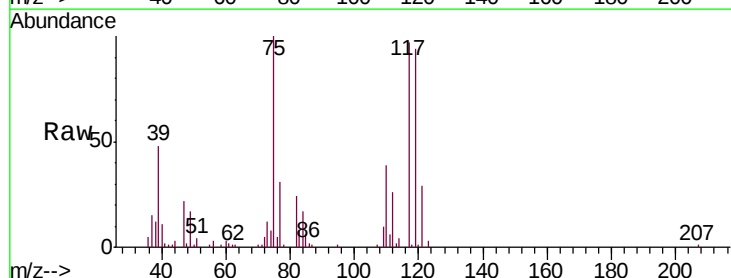
Tgt Ion: 117 Resp: 43930

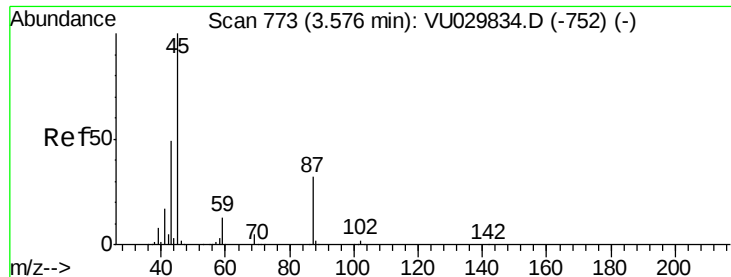
Ion Ratio Lower Upper

117 100

119 96.8 78.4 117.6

121 29.5 25.0 37.4





#31

Isopropyl Ether

Concen: 1.940 ug/l

RT: 3.58 min Scan# 773

Delta R.T. -0.00 min

Lab File: VU029841.D

Acq: 06 Mar 2019 16:03

Instrument :

MSVOA_U

ClientSampleId :

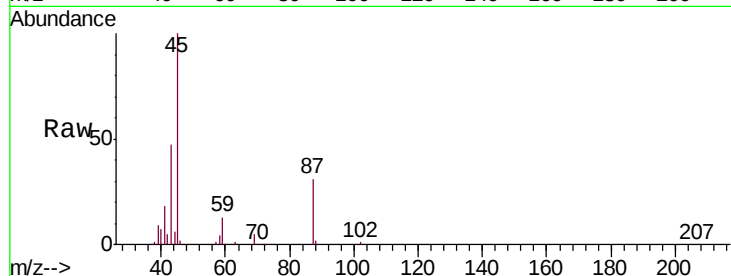
VU0307WBSD01

Tgt Ion: 45 Resp: 82450

Ion Ratio Lower Upper

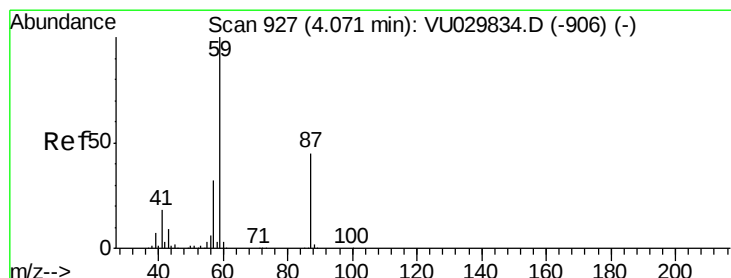
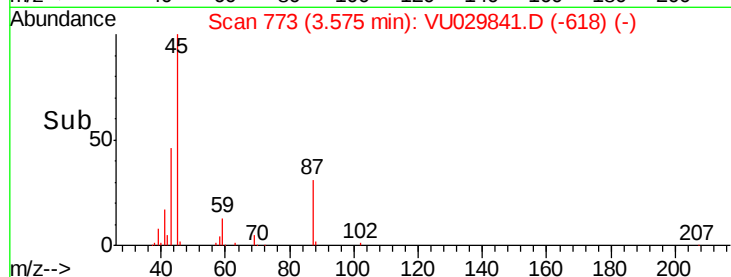
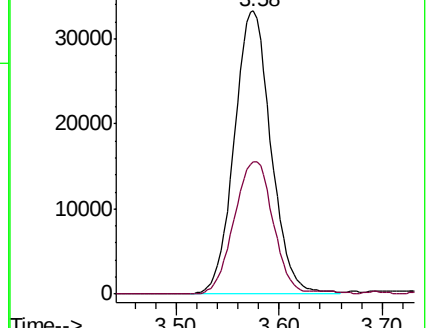
45 100

43 49.7 24.3 72.9



Abundance Ion 45.00 (44.70 to 45.70): VU029834.D (-752) (-)

Ion 43.00 (42.70 to 43.70): VU029834.D (-752) (-)



#32

Ethyl-t-butyl ether

Concen: 1.952 ug/l

RT: 4.07 min Scan# 927

Delta R.T. -0.00 min

Lab File: VU029841.D

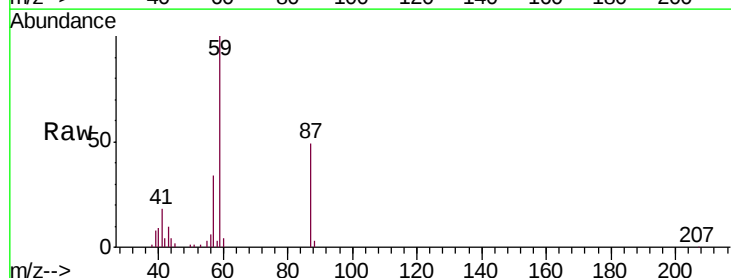
Acq: 06 Mar 2019 16:03

Tgt Ion: 59 Resp: 80644

Ion Ratio Lower Upper

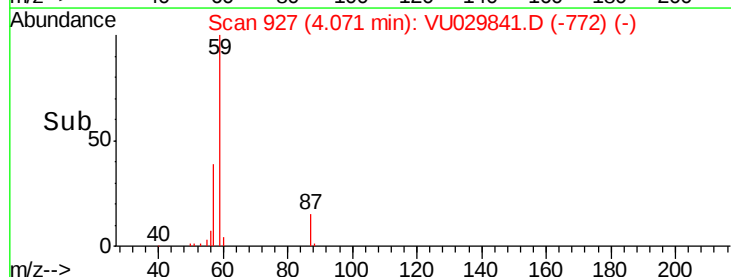
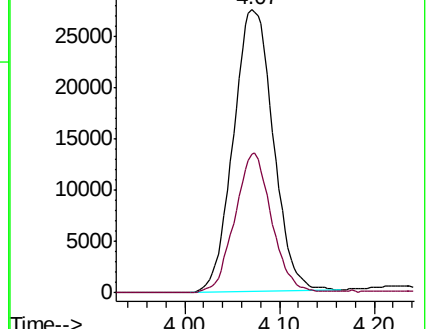
59 100

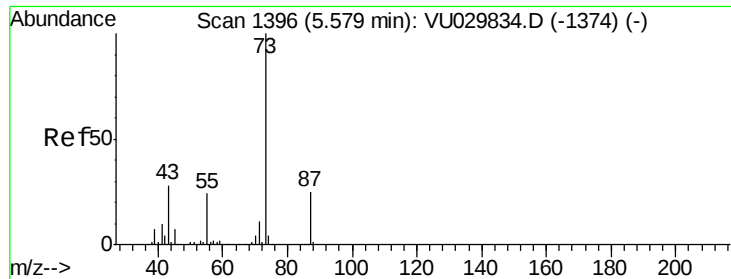
87 45.3 36.2 54.4



Abundance Ion 59.00 (58.70 to 59.70): VU029834.D (-906) (-)

Ion 87.00 (86.70 to 87.70): VU029834.D (-906) (-)

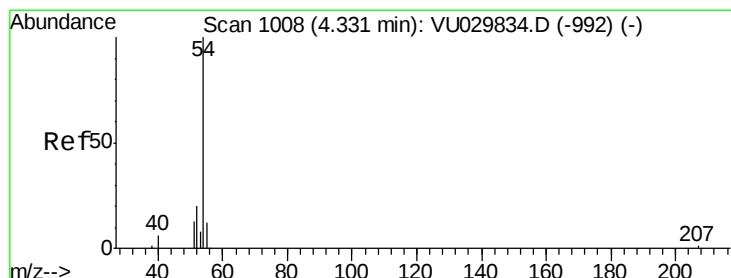
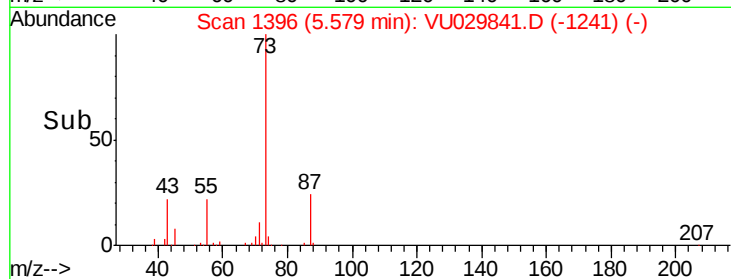
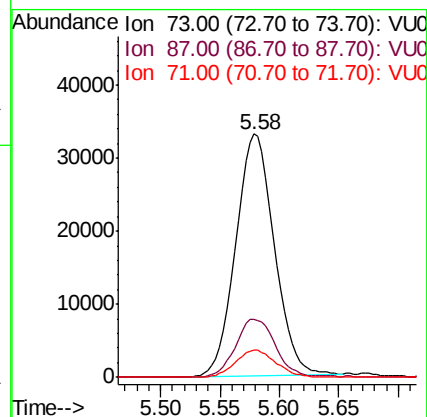
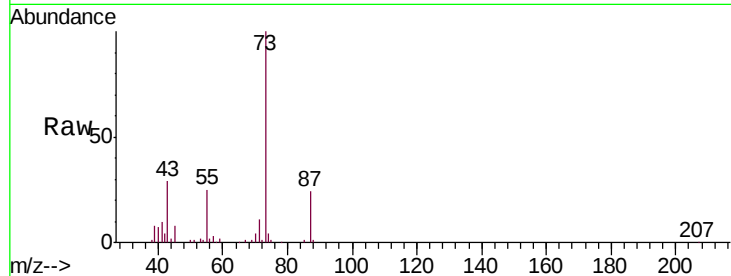




#33
 Tert-Amyl methyl ether
 Concen: 1.946 ug/l
 RT: 5.58 min Scan# 1396
 Delta R.T. -0.00 min
 Lab File: VU029841.D
 Acq: 06 Mar 2019 16:03

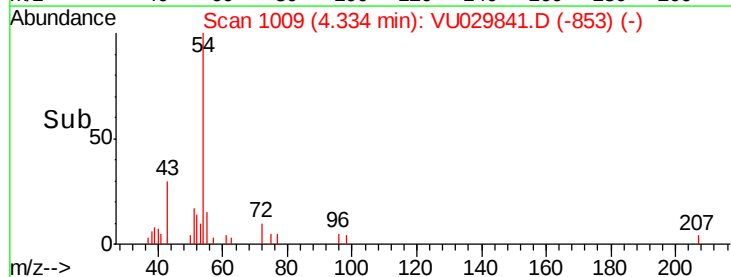
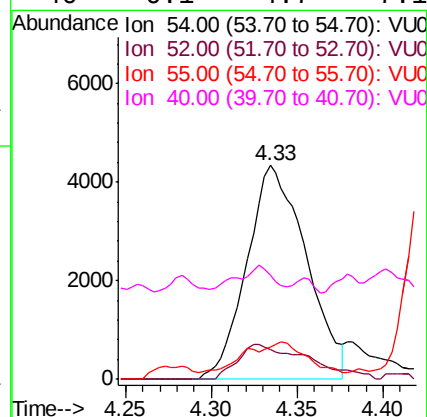
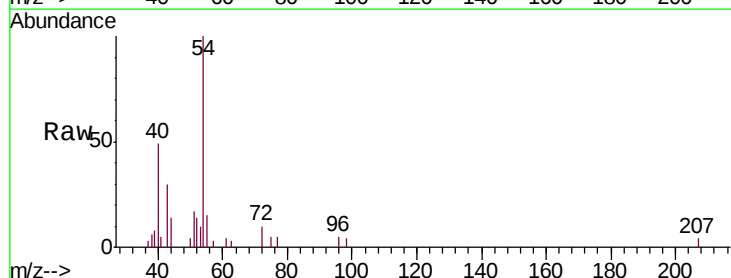
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0307WBSD01

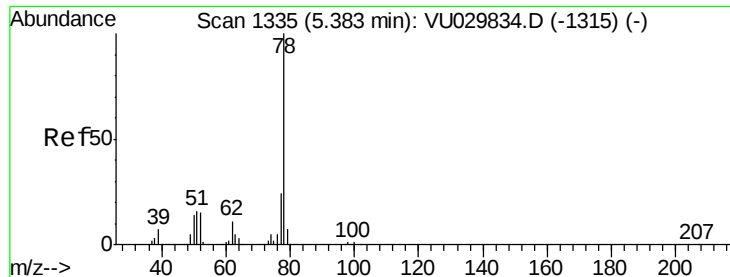
Tgt Ion: 73 Resp: 74364
 Ion Ratio Lower Upper
 73 100
 87 23.9 19.7 29.5
 71 11.7 9.4 14.2



#34
 Propionitrile
 Concen: 8.734 ug/l
 RT: 4.33 min Scan# 1009
 Delta R.T. 0.00 min
 Lab File: VU029841.D
 Acq: 06 Mar 2019 16:03

Tgt Ion: 54 Resp: 10397
 Ion Ratio Lower Upper
 54 100
 52 19.5 16.1 24.1
 55 10.6 11.2 16.8#
 40 6.1 4.7 7.1





#35

Benzene

Concen: 1.940 ug/l

RT: 5.38 min Scan# 1335

Delta R.T. -0.00 min

Lab File: VU029841.D

Acq: 06 Mar 2019 16:03

Instrument :

MSVOA_U

ClientSampleId :

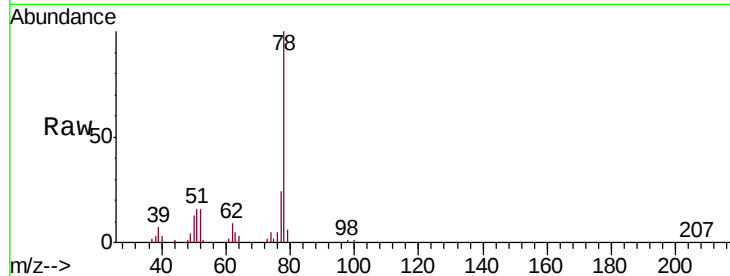
VU0307WBSD01

Tgt Ion: 78 Resp: 134416

Ion Ratio Lower Upper

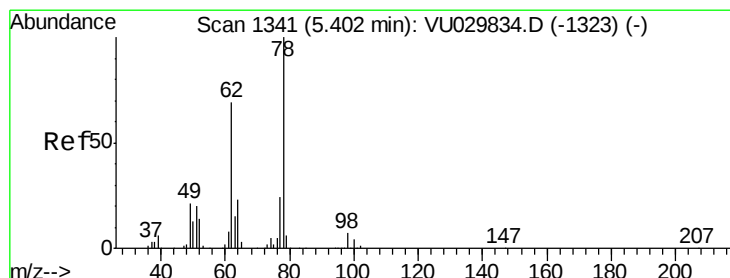
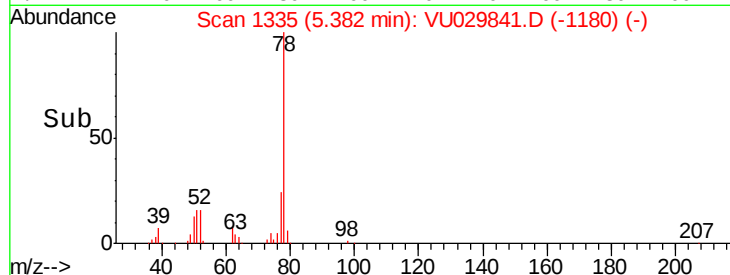
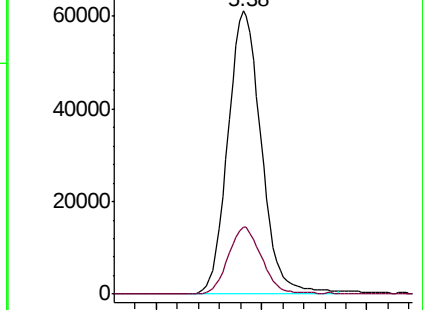
78 100

77 23.8 19.2 28.8



Abundance Ion 78.10 (77.80 to 78.80): VU0

Ion 77.00 (76.70 to 77.70): VU0



#36

1,2-Dichloroethane

Concen: 1.889 ug/l

RT: 5.40 min Scan# 1341

Delta R.T. -0.00 min

Lab File: VU029841.D

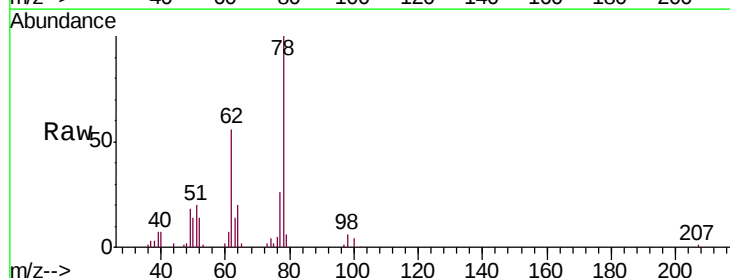
Acq: 06 Mar 2019 16:03

Tgt Ion: 62 Resp: 35730

Ion Ratio Lower Upper

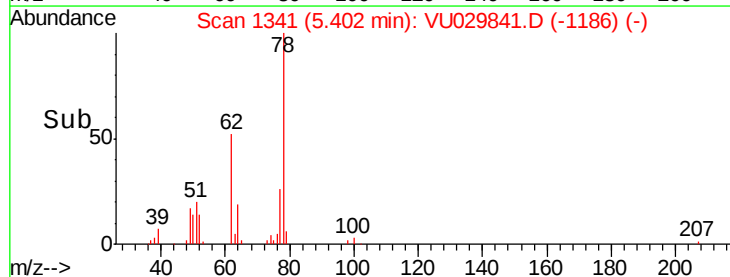
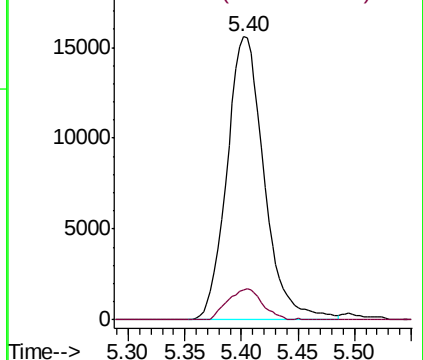
62 100

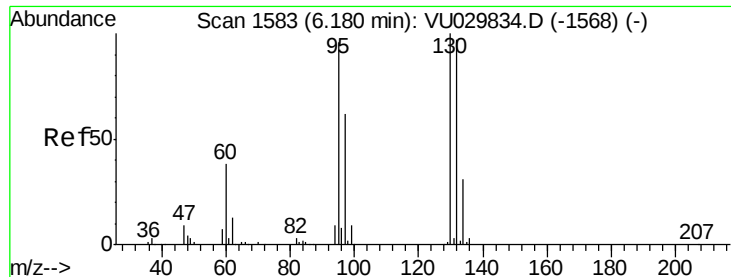
98 10.1 8.2 12.2



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 98.00 (97.70 to 98.70): VU0





#37

Trichloroethene

Concen: 1.911 ug/l

RT: 6.18 min Scan# 1583

Delta R.T. -0.00 min

Lab File: VU029841.D

Acq: 06 Mar 2019 16:03

Instrument :

MSVOA_U

ClientSampleId :

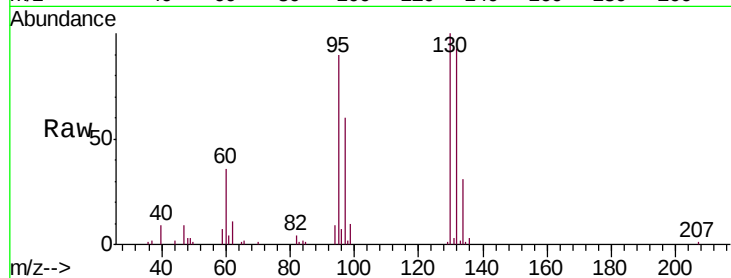
VU0307WBSD01

Tgt Ion:130 Resp: 38643

Ion Ratio Lower Upper

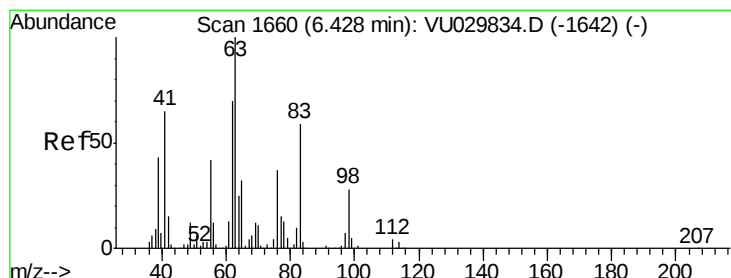
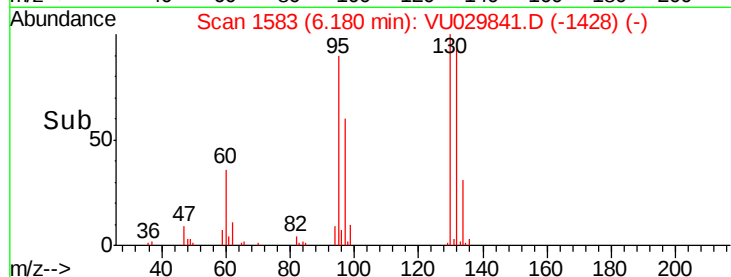
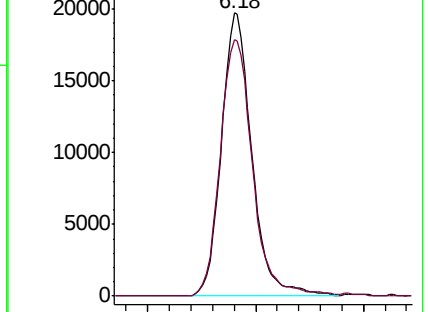
130 100

95 90.4 76.6 114.8



Abundance Ion 129.90 (129.60 to 130.60): VU029834.D (-1568) (-)

Ion 94.90 (94.60 to 95.60): VU029834.D (-1568) (-)



#38

1,2-Dichloropropane

Concen: 2.015 ug/l

RT: 6.43 min Scan# 1661

Delta R.T. 0.00 min

Lab File: VU029841.D

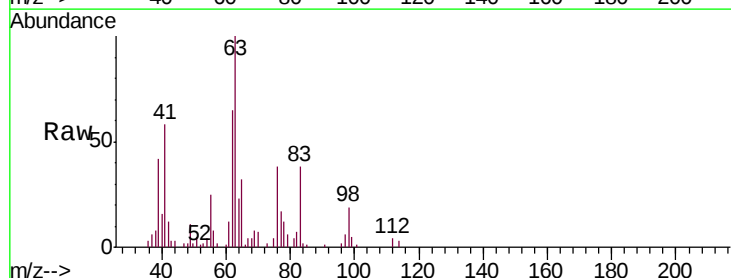
Acq: 06 Mar 2019 16:03

Tgt Ion: 63 Resp: 35332

Ion Ratio Lower Upper

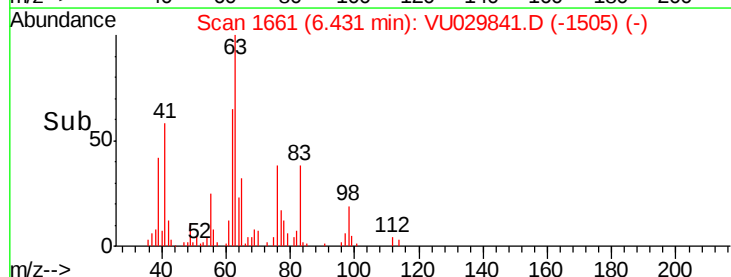
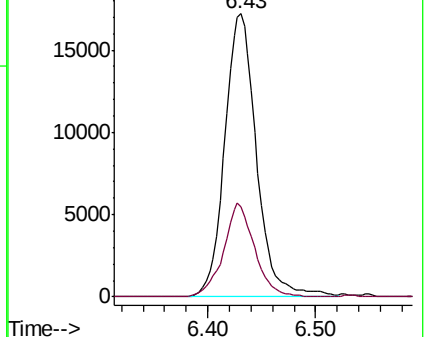
63 100

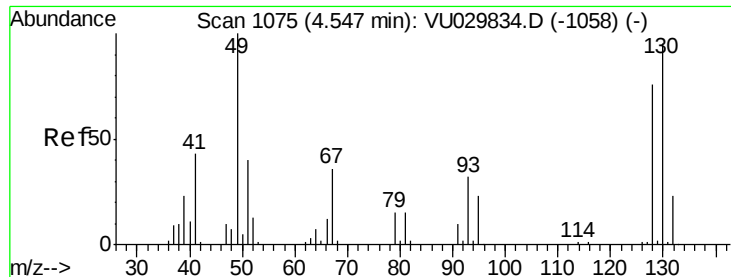
65 31.8 25.4 38.2



Abundance Ion 63.00 (62.70 to 63.70): VU029834.D (-1642) (-)

Ion 65.00 (64.70 to 65.70): VU029834.D (-1642) (-)

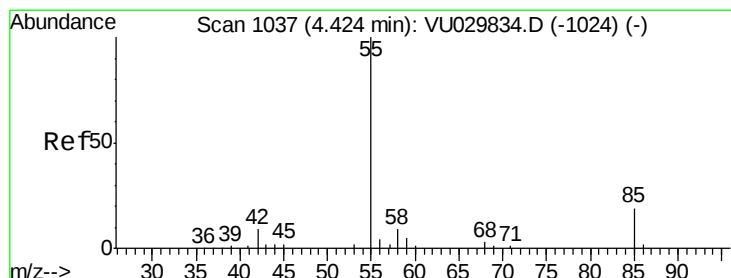
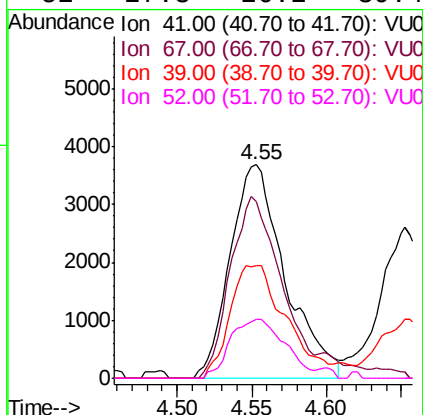
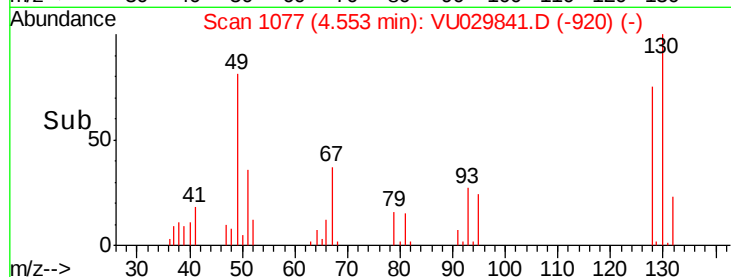
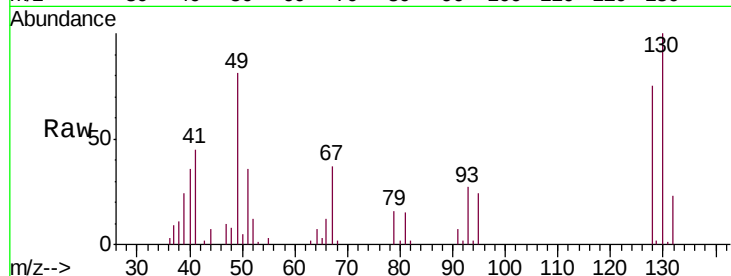




#39
Methacrylonitrile
Concen: 1.883 ug/l
RT: 4.55 min Scan# 1077
Delta R.T. 0.01 min
Lab File: VU029841.D
Acq: 06 Mar 2019 16:03

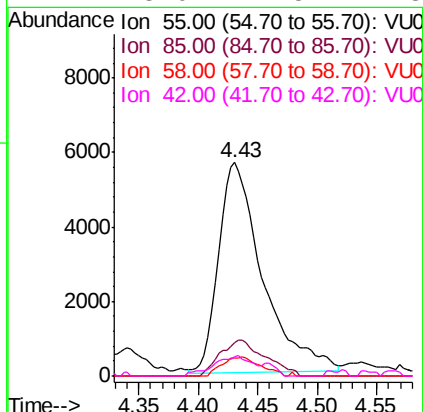
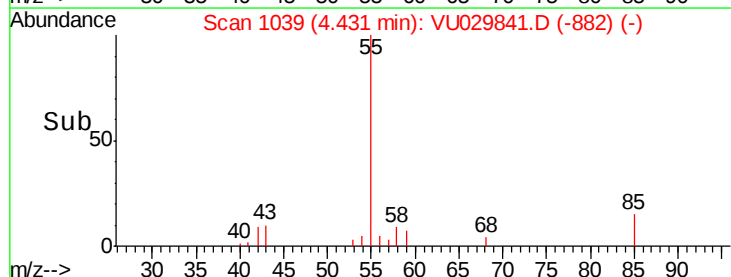
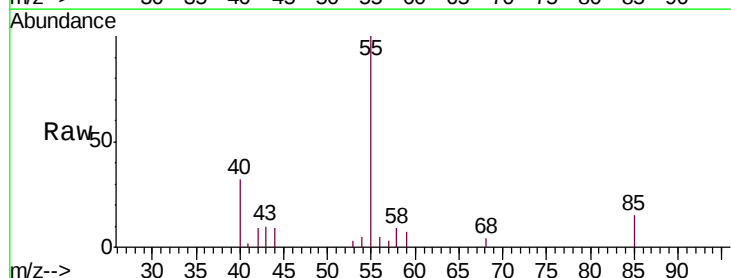
Instrument :
MSVOA_U
ClientSampleId :
VU0307WBSD01

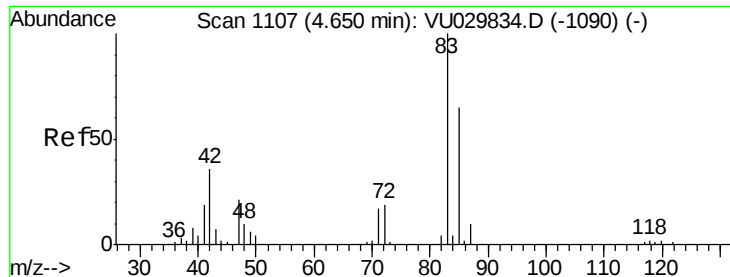
Tgt Ion:	41	Resp:	9427
Ion	Ratio	Lower	Upper
41	100		
67	84.0	68.4	102.6
39	54.0	42.6	63.8
52	27.3	26.2	39.4



#40
Methyl acrylate
Concen: 1.834 ug/l
RT: 4.43 min Scan# 1039
Delta R.T. 0.01 min
Lab File: VU029841.D
Acq: 06 Mar 2019 16:03

Tgt Ion:	55	Resp:	14513
Ion	Ratio	Lower	Upper
55	100		
85	17.3	15.2	22.8
58	7.9	7.6	11.4
42	8.0	7.5	11.3

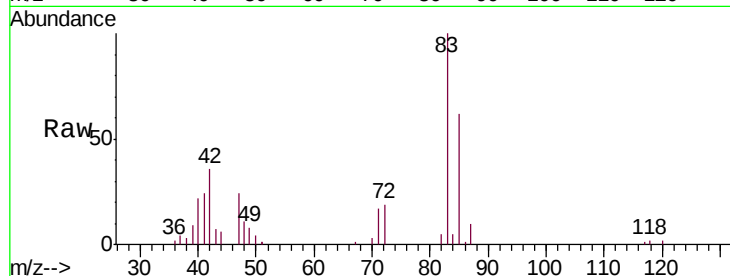




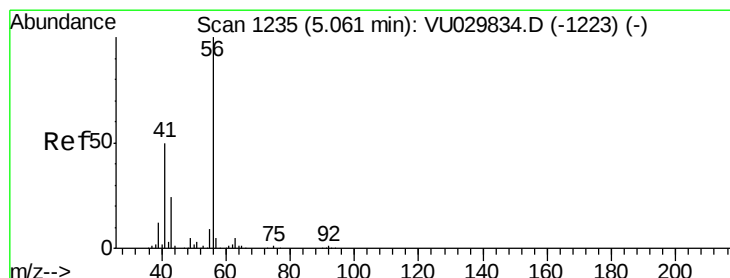
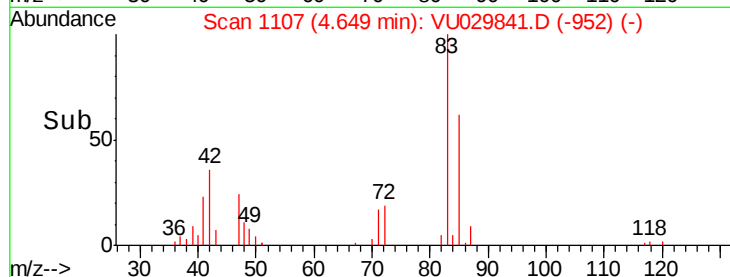
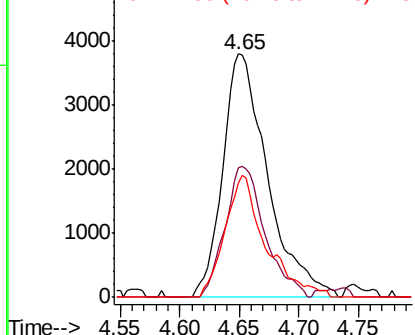
#41
Tetrahydrofuran
Concen: 3.790 ug/l
RT: 4.65 min Scan# 1107
Delta R.T. -0.00 min
Lab File: VU029841.D
Acq: 06 Mar 2019 16:03

Instrument :
MSVOA_U
ClientSampleId :
VU0307WBSD01

Tgt Ion: 42 Resp: 9927
Ion Ratio Lower Upper
42 100
72 47.8 43.6 65.4
71 45.3 37.5 56.3

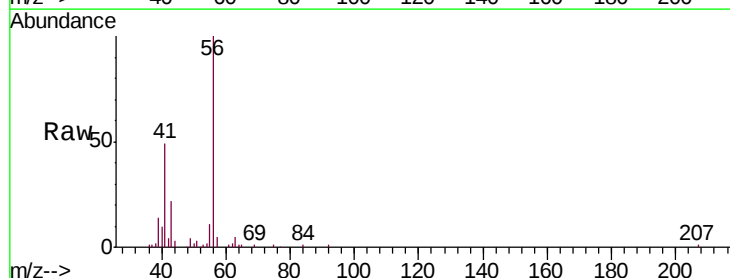


Abundance Ion 42.00 (41.70 to 42.70): VU0
Ion 72.00 (71.70 to 72.70): VU0
Ion 71.00 (70.70 to 71.70): VU0

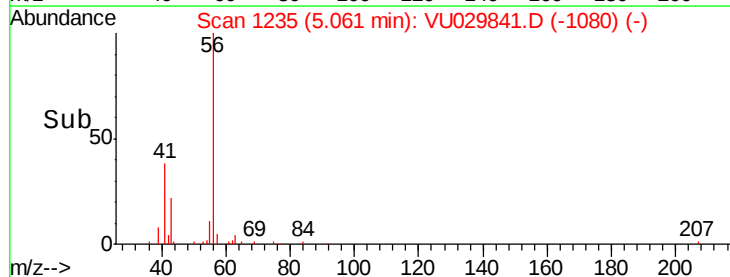
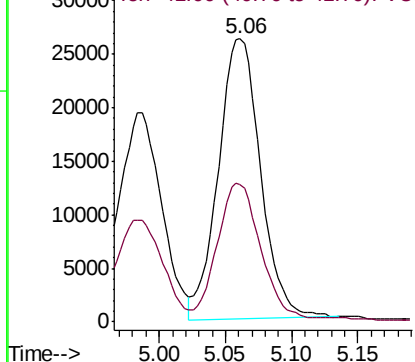


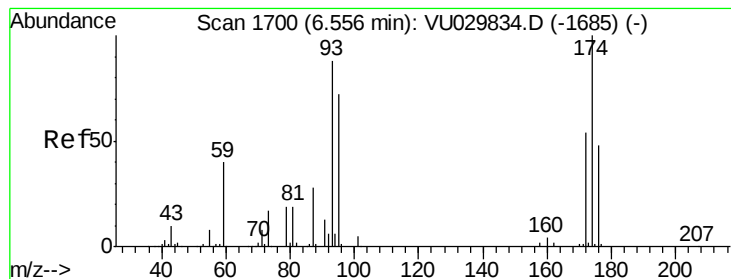
#42
1-Chlorobutane
Concen: 1.924 ug/l
RT: 5.06 min Scan# 1235
Delta R.T. -0.00 min
Lab File: VU029841.D
Acq: 06 Mar 2019 16:03

Tgt Ion: 56 Resp: 57786
Ion Ratio Lower Upper
56 100
41 49.2 25.0 75.0



Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 41.00 (40.70 to 41.70): VU0





#43

Dibromomethane

Concen: 2.004 ug/l

RT: 6.56 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VU029841.D

Acq: 06 Mar 2019 16:03

Instrument :

MSVOA_U

ClientSampleId :

VU0307WBSD01

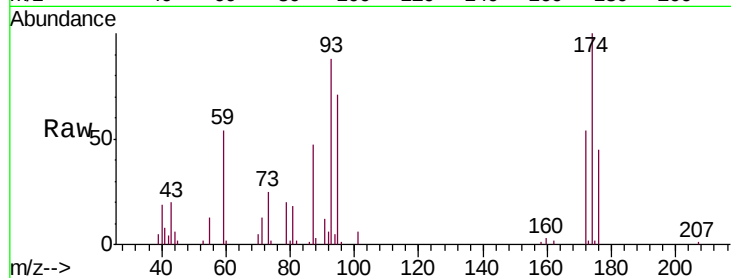
Tgt Ion: 93 Resp: 18208

Ion Ratio Lower Upper

93 100

95 79.6 67.0 100.6

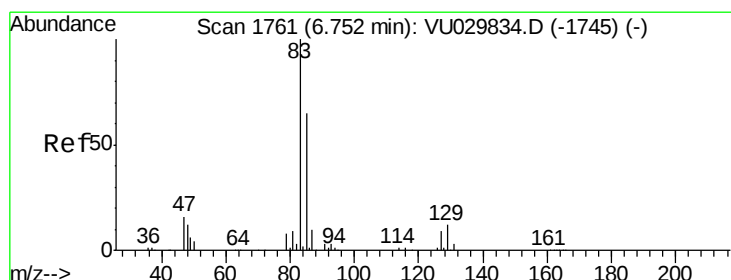
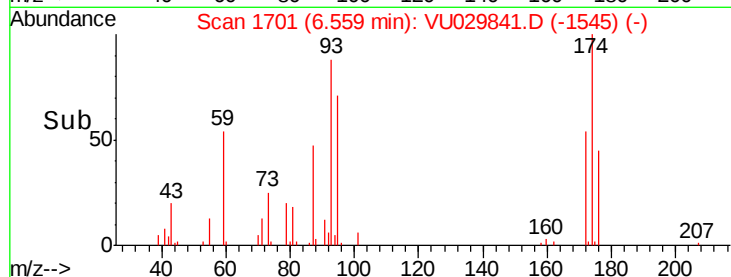
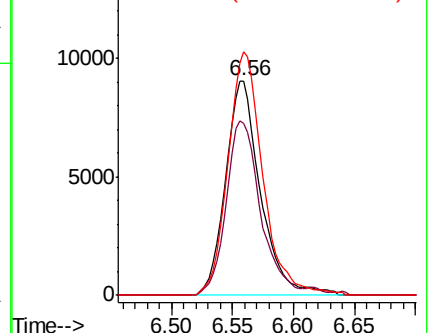
174 113.3 91.4 137.2



Abundance Ion 93.00 (92.70 to 93.70): VU0

Ion 95.00 (94.70 to 95.70): VU0

Ion 174.00 (173.70 to 174.70): V



#44

Bromodichloromethane

Concen: 1.847 ug/l

RT: 6.76 min Scan# 1762

Delta R.T. 0.00 min

Lab File: VU029841.D

Acq: 06 Mar 2019 16:03

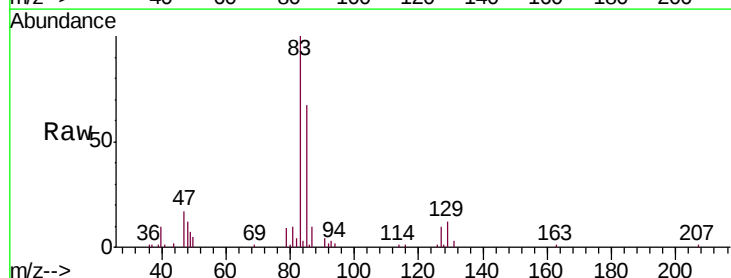
Tgt Ion: 83 Resp: 41222

Ion Ratio Lower Upper

83 100

85 67.4 51.7 77.5

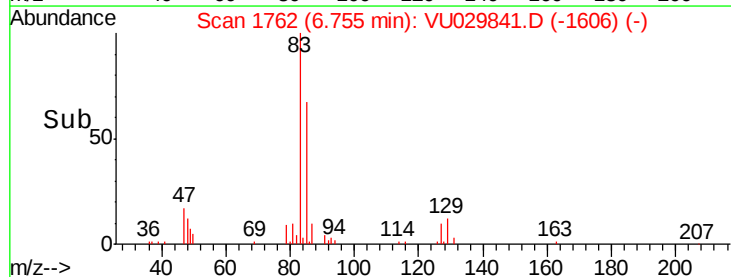
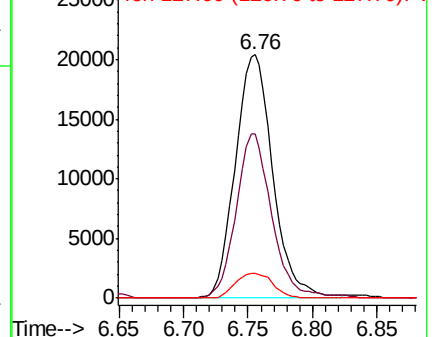
127 10.0 7.4 11.2

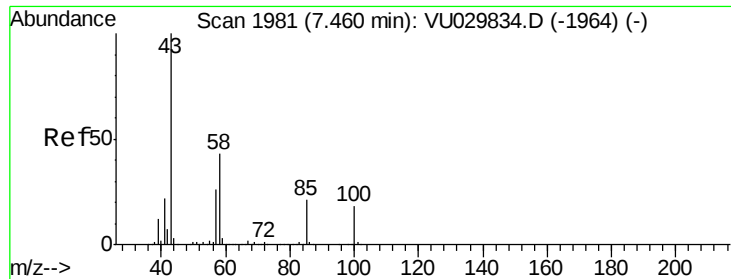


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 127.00 (126.70 to 127.70): V

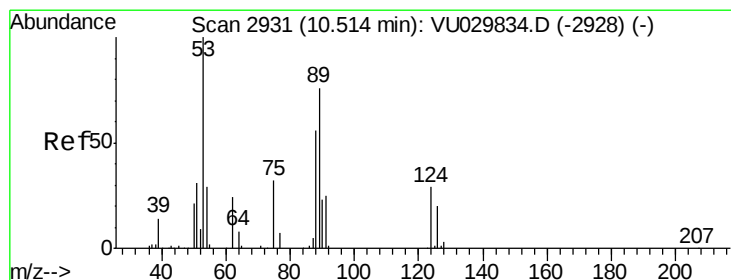
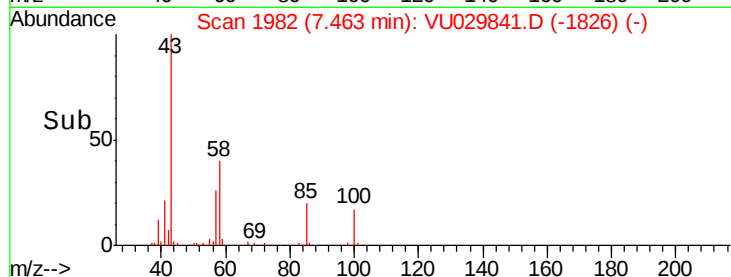
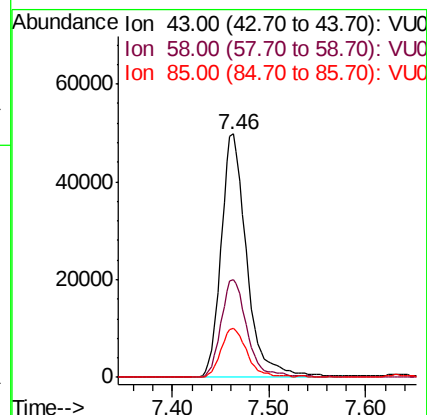
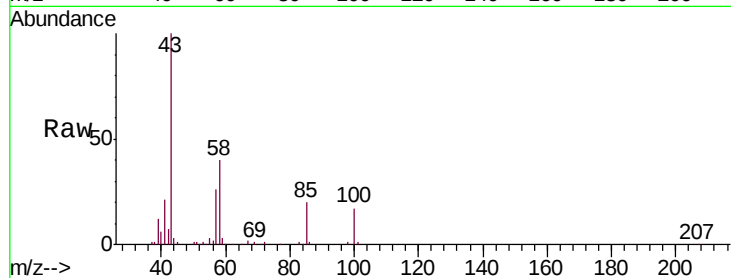




#45
4-Methyl-2-Pentanone
Concen: 9.678 ug/l
RT: 7.46 min Scan# 1982
Delta R.T. 0.00 min
Lab File: VU029841.D
Acq: 06 Mar 2019 16:03

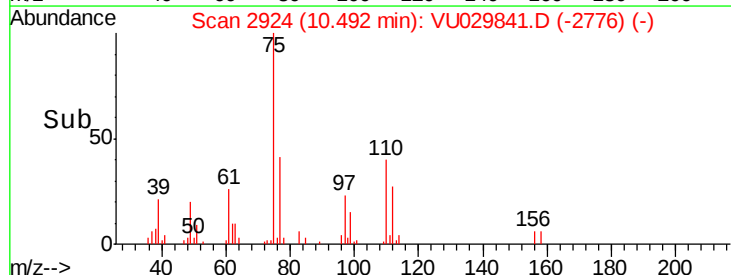
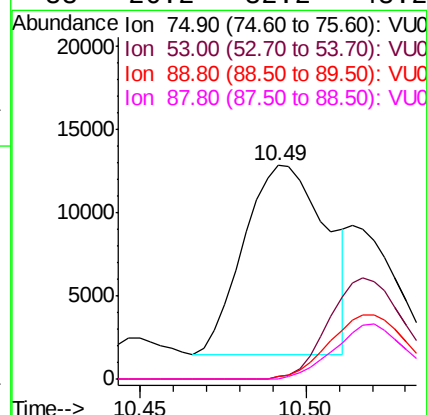
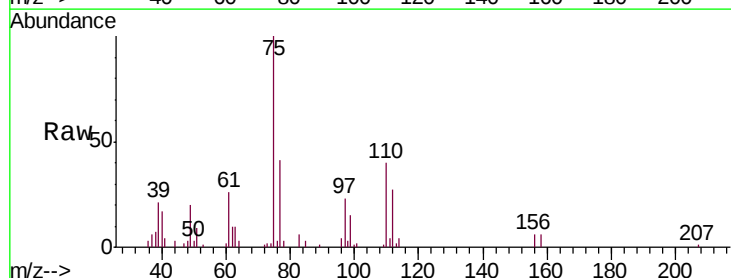
Instrument :
MSVOA_U
ClientSampleId :
VU0307WBSD01

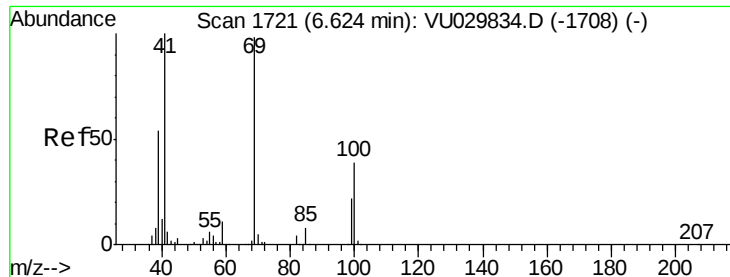
Tgt Ion: 43 Resp: 91730
Ion Ratio Lower Upper
43 100
58 40.5 21.6 65.0
85 20.4 16.5 24.7



#46
t-1,4-Dichloro-2-butene
Concen: 4.974 ug/l
RT: 10.49 min Scan# 2924
Delta R.T. -0.02 min
Lab File: VU029841.D
Acq: 06 Mar 2019 16:03

Tgt Ion: 75 Resp: 19707
Ion Ratio Lower Upper
75 100
53 52.6 59.2 88.8#
89 33.2 44.9 67.3#
88 26.2 32.2 48.2#

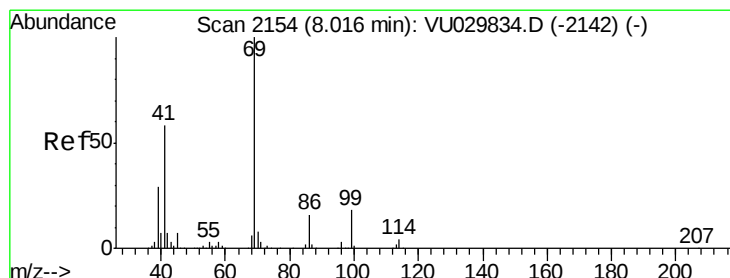
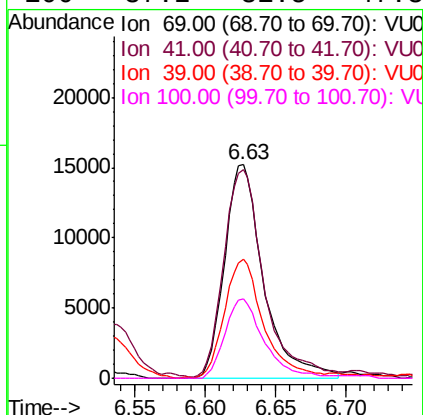
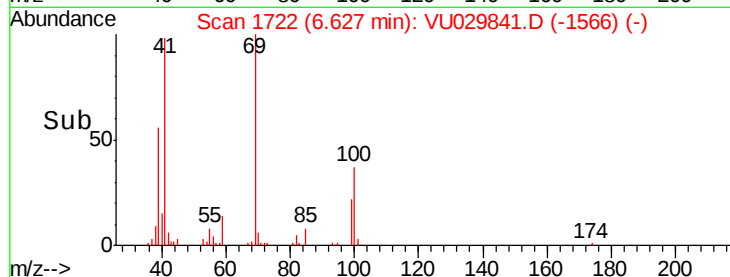
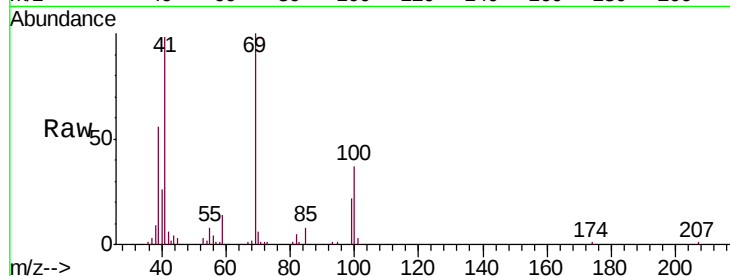




#47
Methyl methacrylate
Concen: 3.775 ug/l
RT: 6.63 min Scan# 1722
Delta R.T. 0.00 min
Lab File: VU029841.D
Acq: 06 Mar 2019 16:03

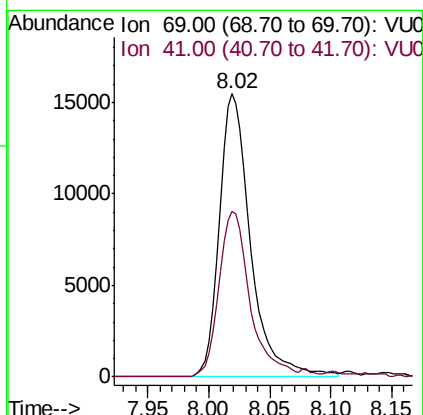
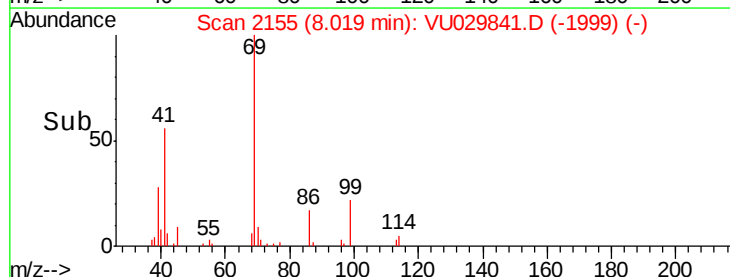
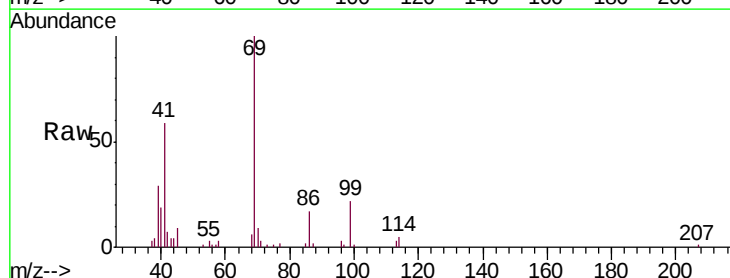
Instrument :
MSVOA_U
ClientSampleId :
VU0307WBSD01

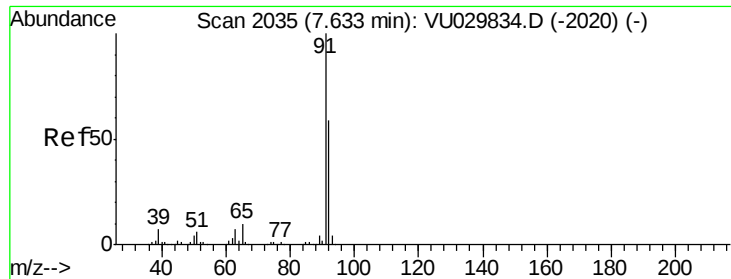
Tgt Ion: 69 Resp: 29437
Ion Ratio Lower Upper
69 100
41 99.4 0.0 201.0
39 55.8 43.3 64.9
100 37.2 31.5 47.3



#48
Ethyl methacrylate
Concen: 1.864 ug/l
RT: 8.02 min Scan# 2155
Delta R.T. 0.00 min
Lab File: VU029841.D
Acq: 06 Mar 2019 16:03

Tgt Ion: 69 Resp: 27850
Ion Ratio Lower Upper
69 100
41 58.3 29.0 87.1





#49

Toluene

Concen: 1.899 ug/l

RT: 7.63 min Scan# 2035

Delta R.T. -0.00 min

Lab File: VU029841.D

Acq: 06 Mar 2019 16:03

Instrument :

MSVOA_U

ClientSampleId :

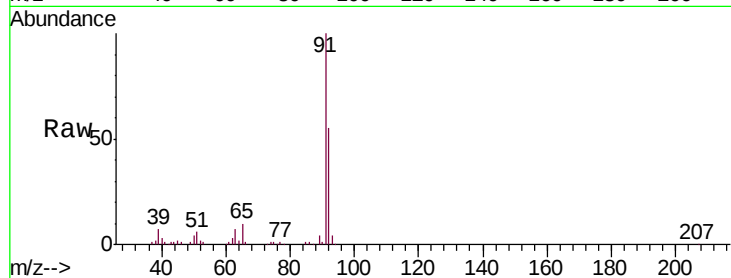
VU0307WBSD01

Tgt Ion: 92 Resp: 80779

Ion Ratio Lower Upper

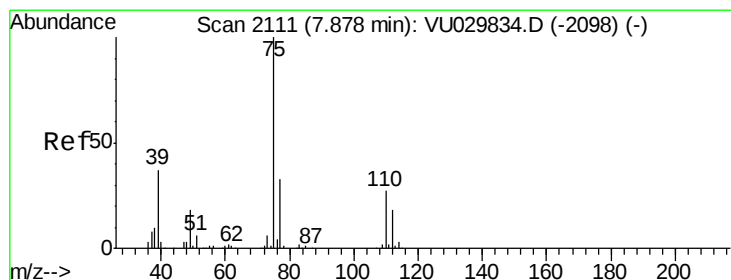
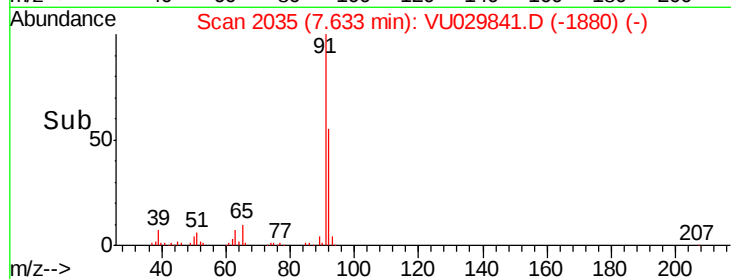
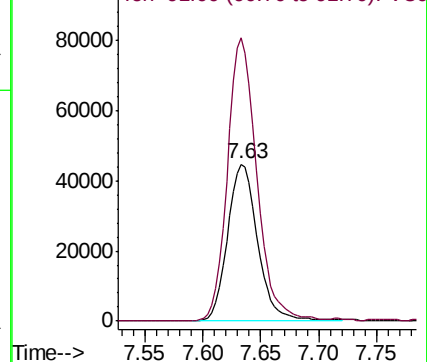
92 100

91 175.9 137.8 206.8



Abundance Ion 92.00 (91.70 to 92.70): VU0

Ion 91.00 (90.70 to 91.70): VU0



#50

t-1,3-Dichloropropene

Concen: 1.838 ug/l

RT: 7.88 min Scan# 2112

Delta R.T. 0.00 min

Lab File: VU029841.D

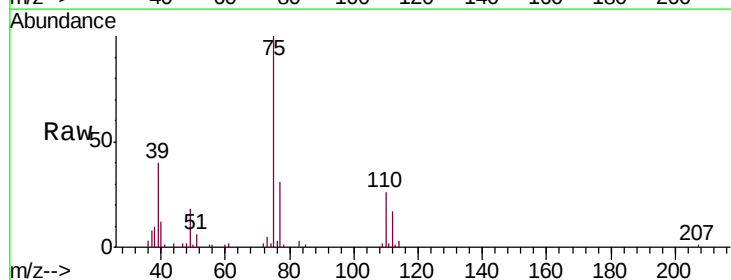
Acq: 06 Mar 2019 16:03

Tgt Ion: 75 Resp: 35953

Ion Ratio Lower Upper

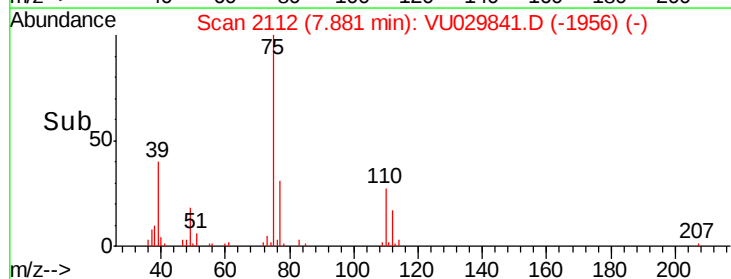
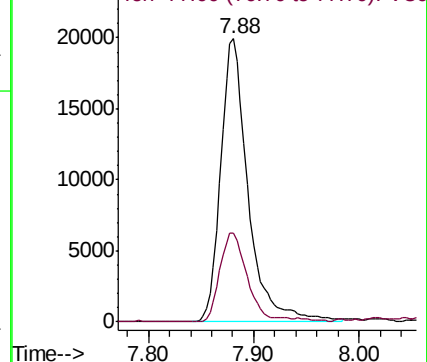
75 100

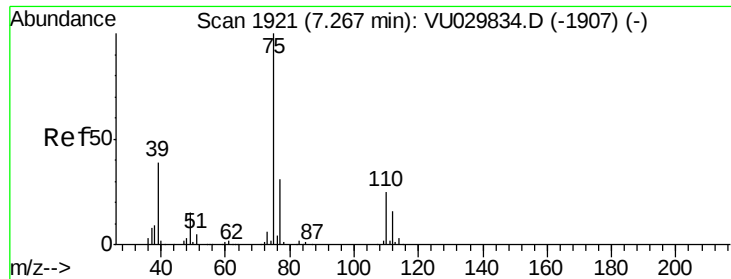
77 31.2 26.4 39.6



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

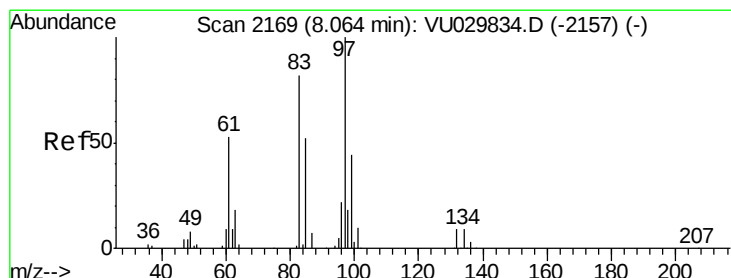
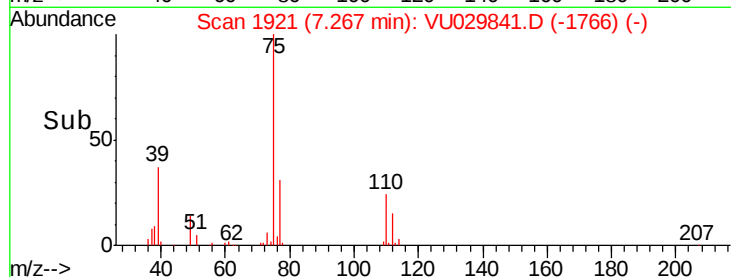
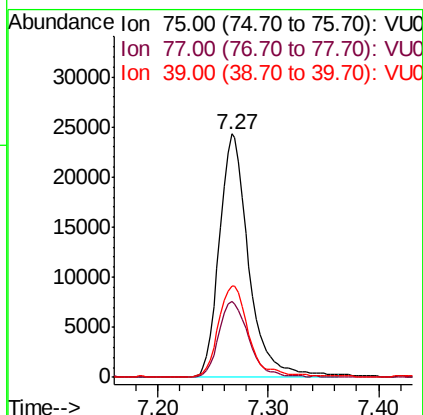
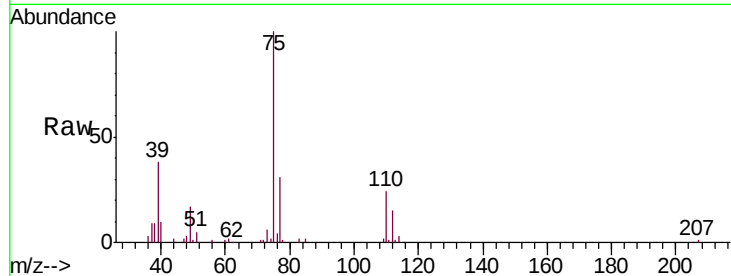




#51
 cis-1,3-Dichloropropene
 Concen: 1.862 ug/l
 RT: 7.27 min Scan# 1921
 Delta R.T. -0.00 min
 Lab File: VU029841.D
 Acq: 06 Mar 2019 16:03

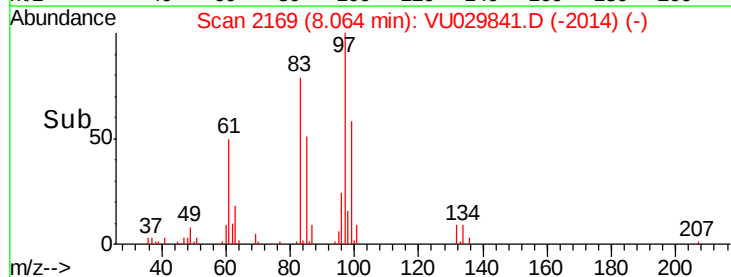
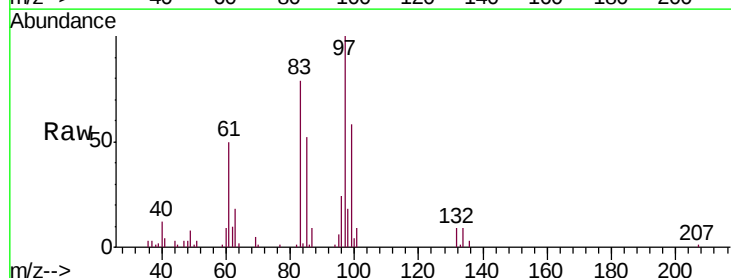
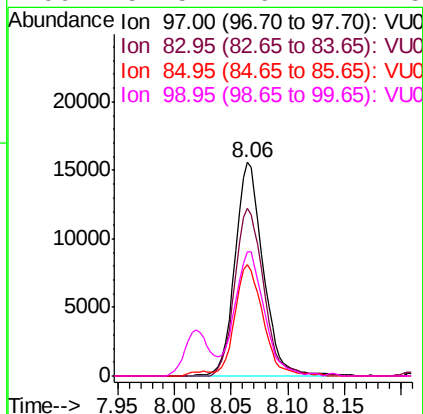
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0307WBSD01

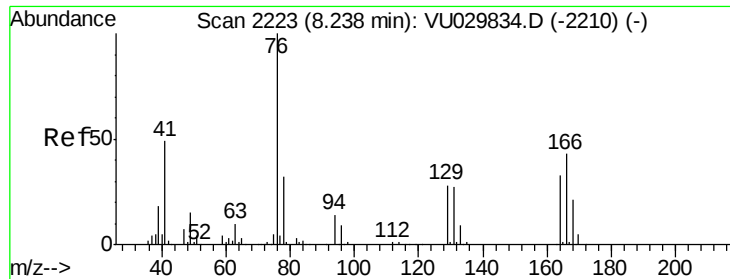
Tgt Ion: 75 Resp: 45074
 Ion Ratio Lower Upper
 75 100
 77 31.1 24.9 37.3
 39 37.6 30.8 46.2



#52
 1,1,2-Trichloroethane
 Concen: 2.020 ug/l
 RT: 8.06 min Scan# 2169
 Delta R.T. -0.00 min
 Lab File: VU029841.D
 Acq: 06 Mar 2019 16:03

Tgt Ion: 97 Resp: 27169
 Ion Ratio Lower Upper
 97 100
 83 78.6 65.9 98.9
 85 52.1 43.0 64.6
 99 57.5 49.7 74.5

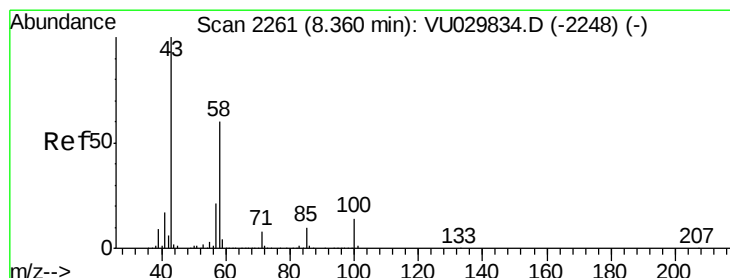
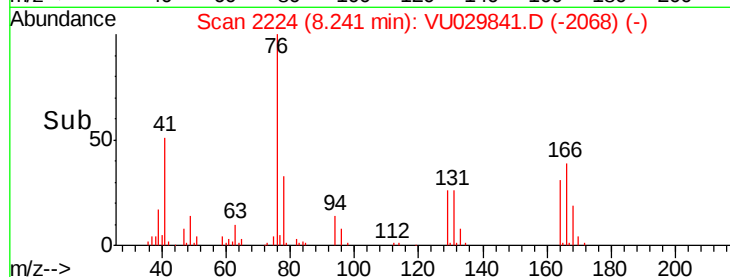
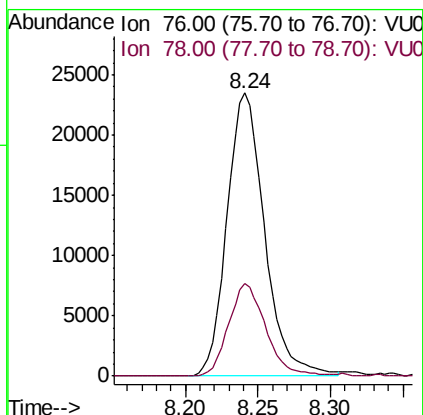
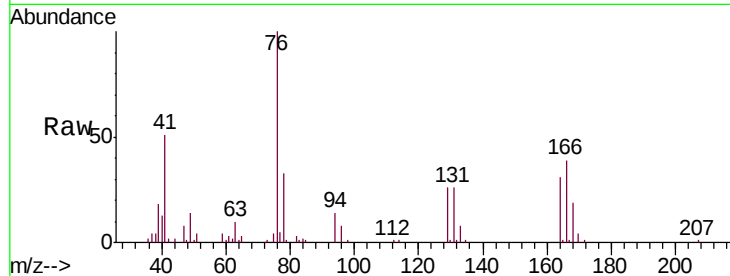




#53
 1,3-Dichloropropane
 Concen: 1.923 ug/l
 RT: 8.24 min Scan# 2224
 Delta R.T. 0.00 min
 Lab File: VU029841.D
 Acq: 06 Mar 2019 16:03

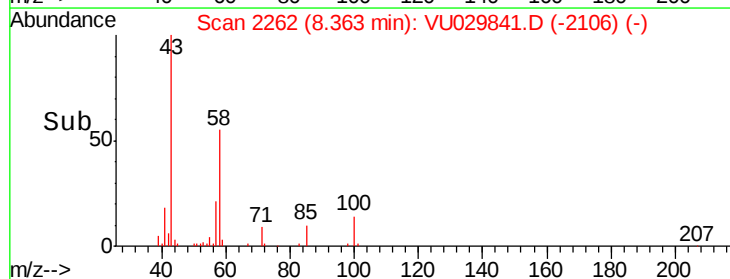
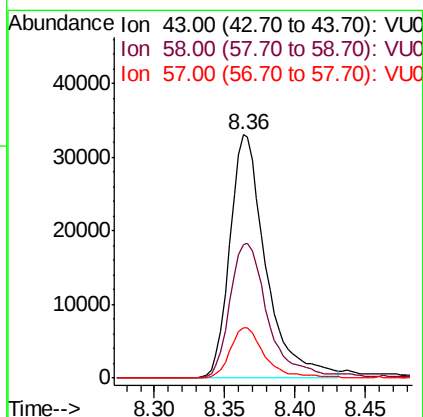
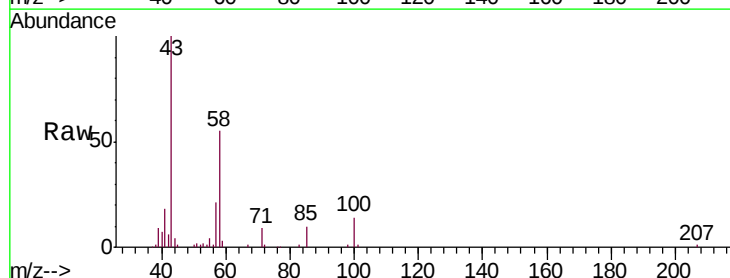
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0307WBSD01

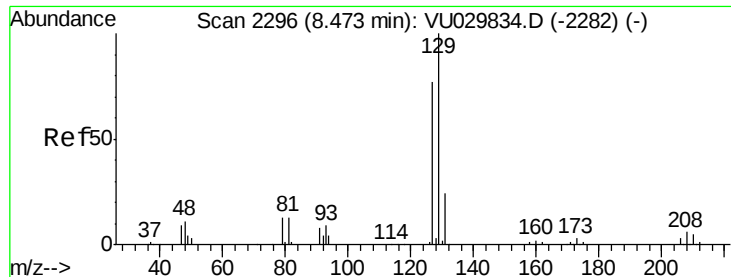
Tgt Ion: 76 Resp: 42416
 Ion Ratio Lower Upper
 76 100
 78 32.2 25.7 38.5



#54
 2-Hexanone
 Concen: 8.993 ug/l
 RT: 8.36 min Scan# 2262
 Delta R.T. 0.00 min
 Lab File: VU029841.D
 Acq: 06 Mar 2019 16:03

Tgt Ion: 43 Resp: 59196
 Ion Ratio Lower Upper
 43 100
 58 57.9 39.6 79.6
 57 20.0 0.5 40.5

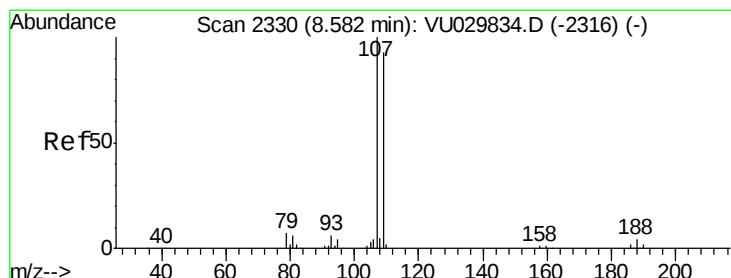
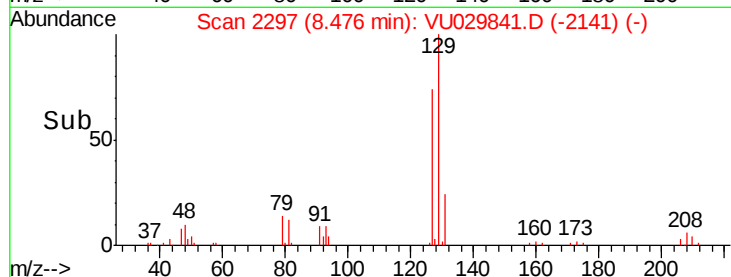
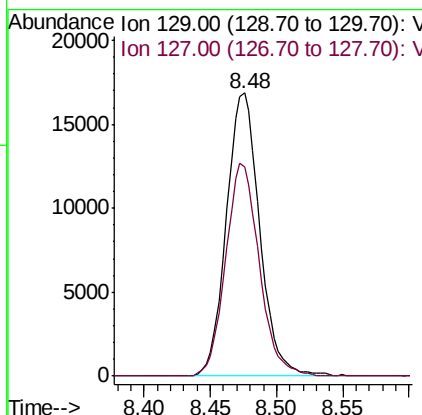
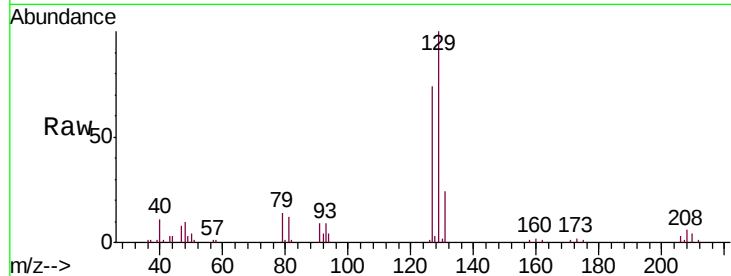




#55
 Dibromochloromethane
 Concen: 1.848 ug/l
 RT: 8.48 min Scan# 2297
 Delta R.T. 0.00 min
 Lab File: VU029841.D
 Acq: 06 Mar 2019 16:03

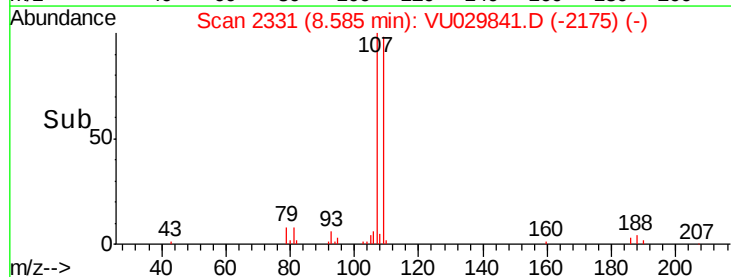
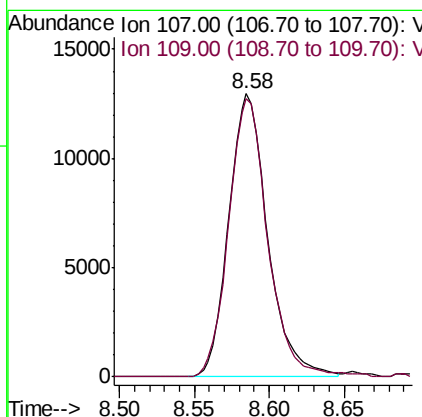
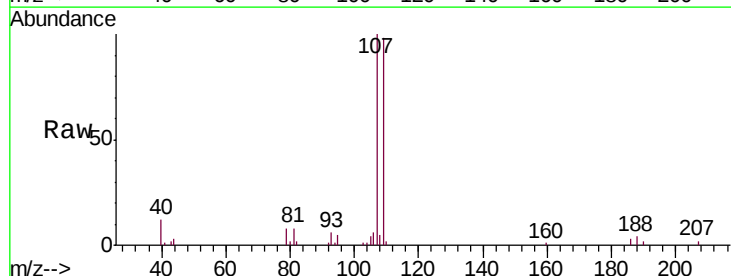
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0307WBSD01

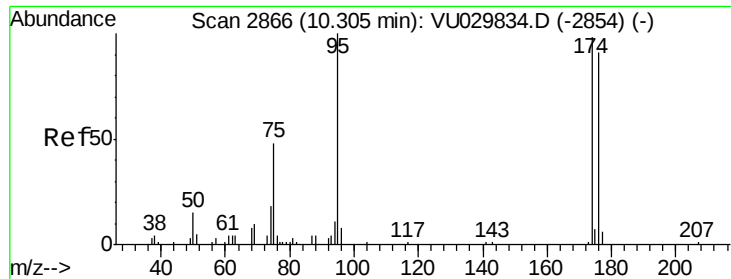
Tgt Ion:129 Resp: 29510
 Ion Ratio Lower Upper
 129 100
 127 75.8 61.6 92.4



#56
 1,2-Dibromoethane
 Concen: 1.842 ug/l
 RT: 8.58 min Scan# 2331
 Delta R.T. 0.00 min
 Lab File: VU029841.D
 Acq: 06 Mar 2019 16:03

Tgt Ion:107 Resp: 23494
 Ion Ratio Lower Upper
 107 100
 109 99.2 0.0 188.4

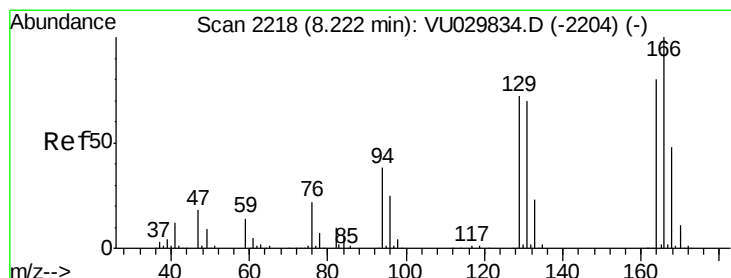
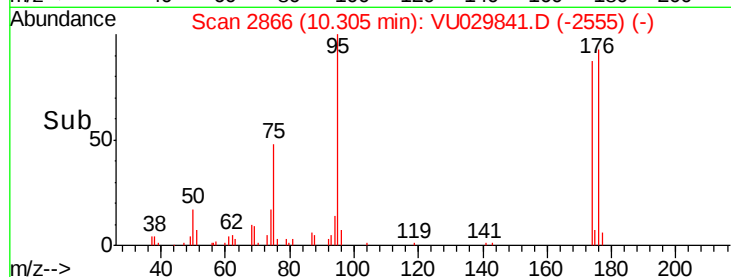
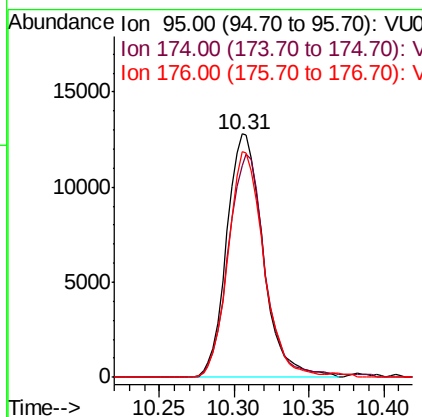
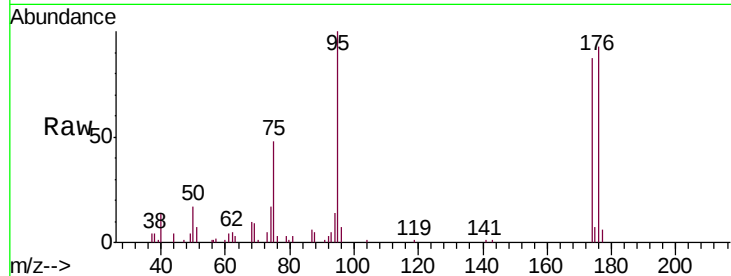




#57
4-Bromofluorobenzene
Concen: 1.842 ug/l
RT: 10.31 min Scan# 2866
Delta R.T. -0.00 min
Lab File: VU029841.D
Acq: 06 Mar 2019 16:03

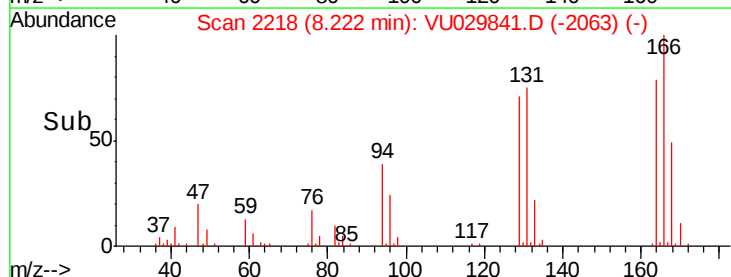
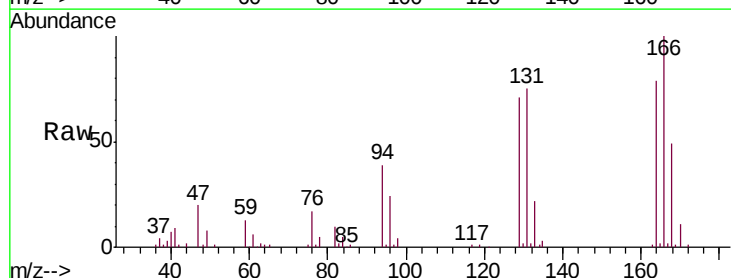
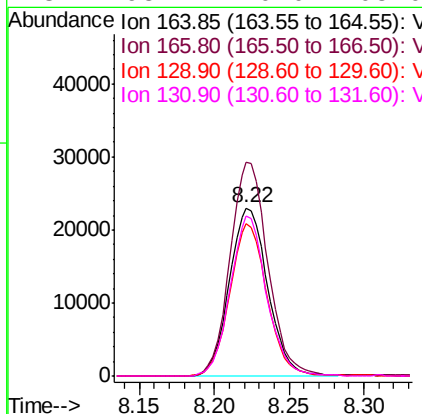
Instrument :
MSVOA_U
ClientSampleId :
VU0307WBSD01

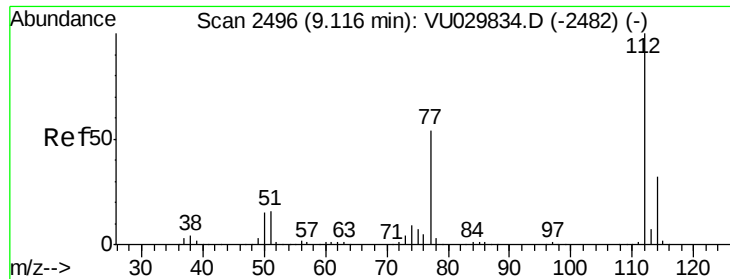
Tgt Ion: 95 Resp: 21710
Ion Ratio Lower Upper
95 100
174 92.2 76.5 114.7
176 90.6 74.2 111.2



#58
Tetrachloroethene
Concen: 1.985 ug/l
RT: 8.22 min Scan# 2218
Delta R.T. -0.00 min
Lab File: VU029841.D
Acq: 06 Mar 2019 16:03

Tgt Ion: 164 Resp: 41016
Ion Ratio Lower Upper
164 100
166 127.0 100.5 150.7
129 90.3 72.3 108.5
131 95.2 70.0 105.0





#59

Chlorobenzene

Concen: 1.943 ug/l

RT: 9.12 min Scan# 2496

Delta R.T. -0.00 min

Lab File: VU029841.D

Acq: 06 Mar 2019 16:03

Instrument :

MSVOA_U

ClientSampleId :

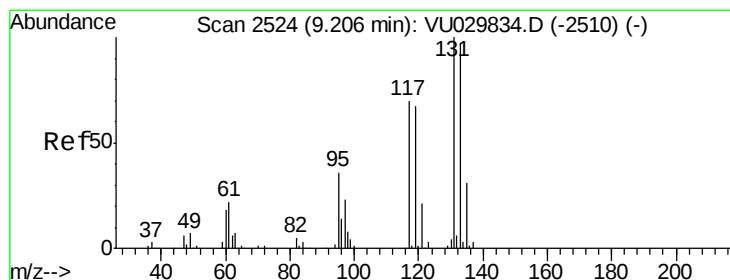
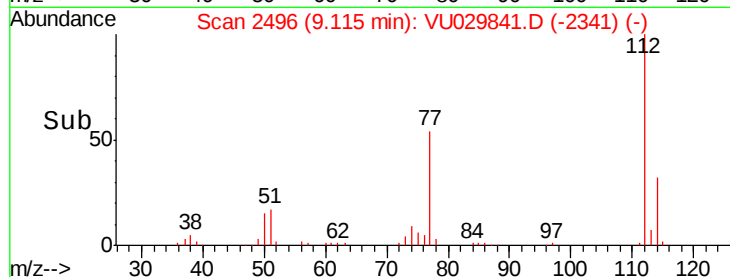
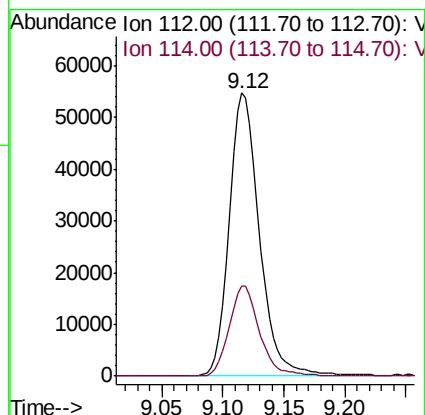
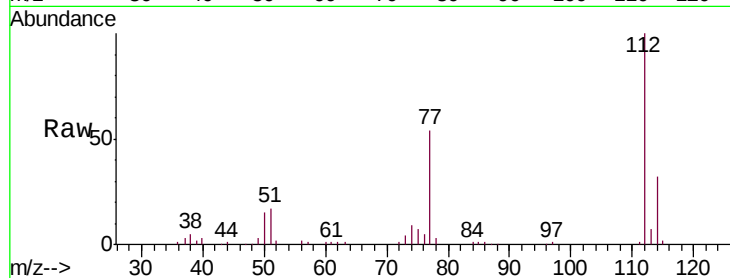
VU0307WBSD01

Tgt Ion:112 Resp: 94977

Ion Ratio Lower Upper

112 100

114 31.8 25.4 38.2



#60

1,1,1,2-Tetrachloroethane

Concen: 1.917 ug/l

RT: 9.21 min Scan# 2524

Delta R.T. -0.00 min

Lab File: VU029841.D

Acq: 06 Mar 2019 16:03

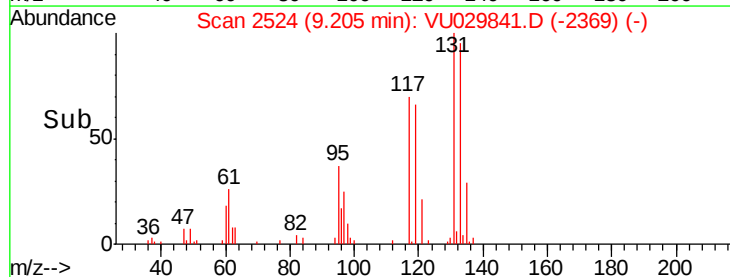
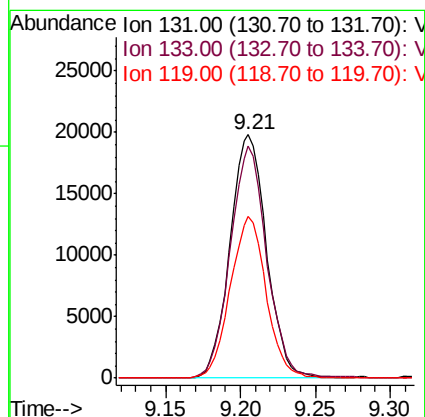
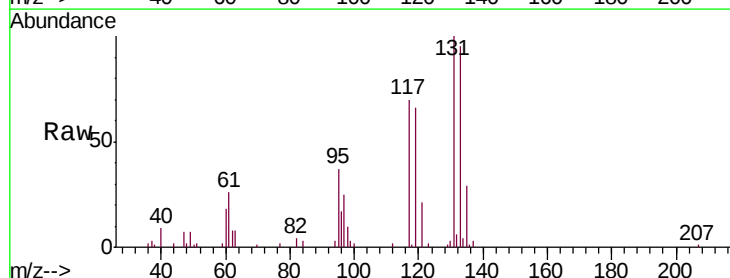
Tgt Ion:131 Resp: 33623

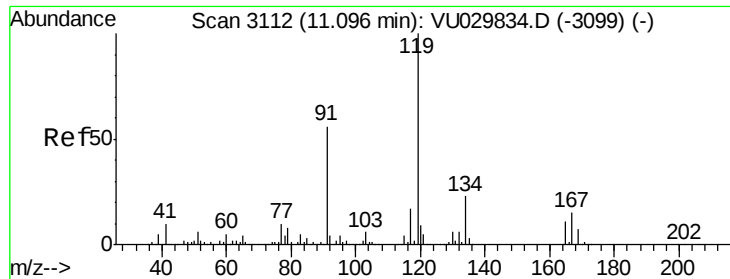
Ion Ratio Lower Upper

131 100

133 95.3 76.4 114.6

119 65.3 54.2 81.4





#61

Pentachloroethane

Concen: 1.851 ug/l

RT: 11.10 min Scan# 3113

Delta R.T. 0.00 min

Lab File: VU029841.D

Acq: 06 Mar 2019 16:03

Instrument :

MSVOA_U

ClientSampleId :

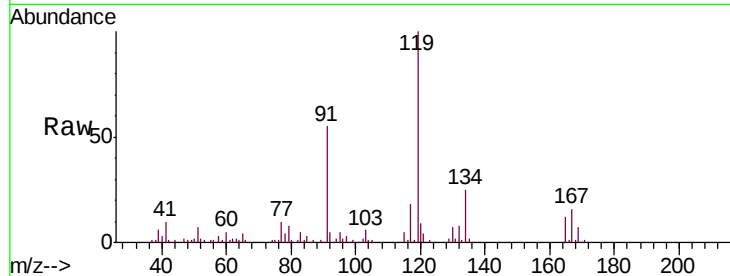
VU0307WBSD01

Tgt Ion:117 Resp: 22600

Ion Ratio Lower Upper

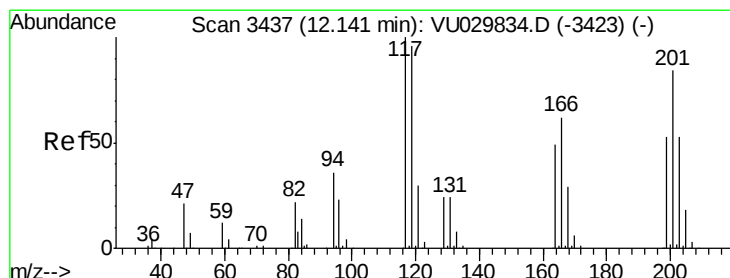
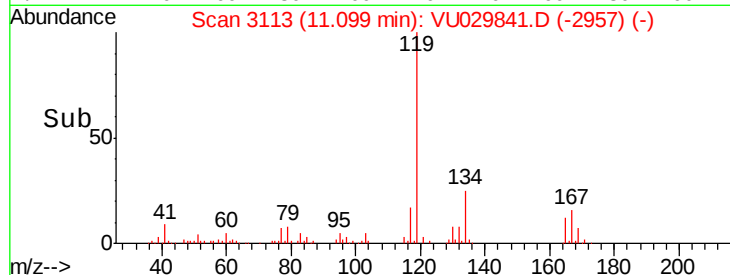
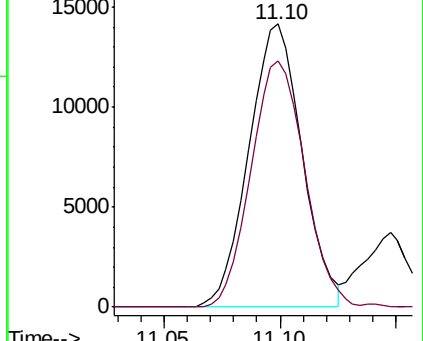
117 100

167 88.1 71.4 107.2



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 166.70 (166.40 to 167.40): V



#62

Hexachloroethane

Concen: 1.743 ug/l

RT: 12.14 min Scan# 3437

Delta R.T. -0.00 min

Lab File: VU029841.D

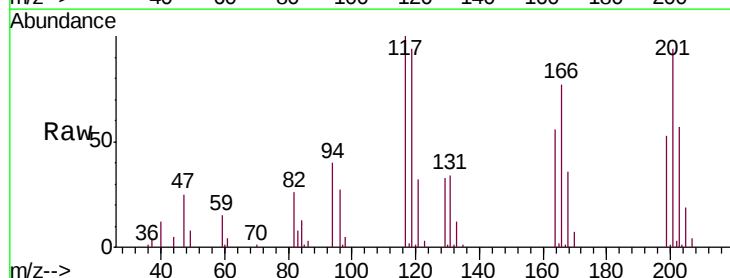
Acq: 06 Mar 2019 16:03

Tgt Ion:117 Resp: 22394

Ion Ratio Lower Upper

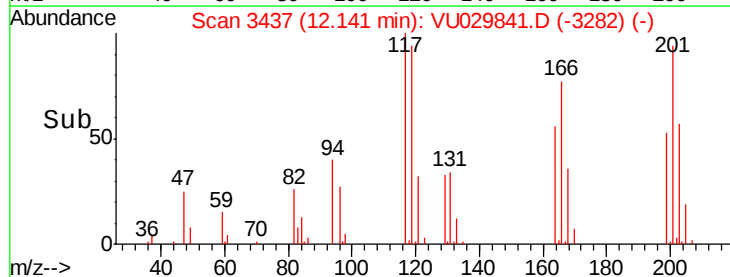
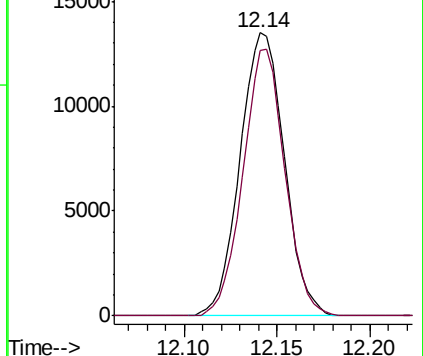
117 100

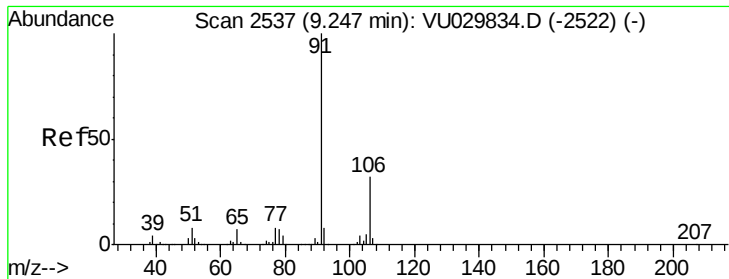
201 89.1 68.2 102.2



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.60 (200.30 to 201.30): V

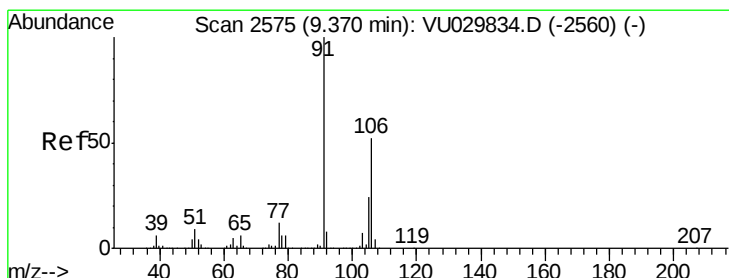
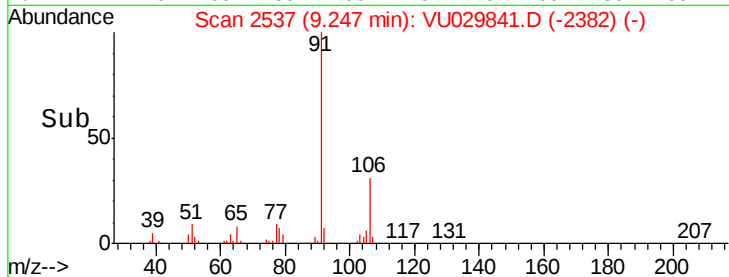
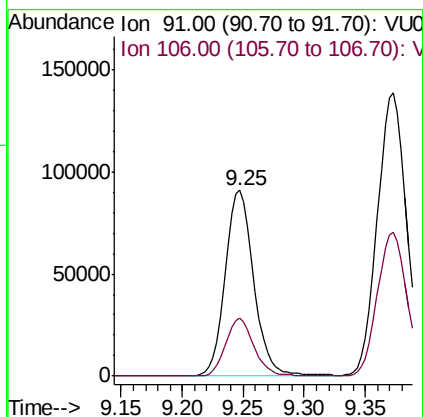
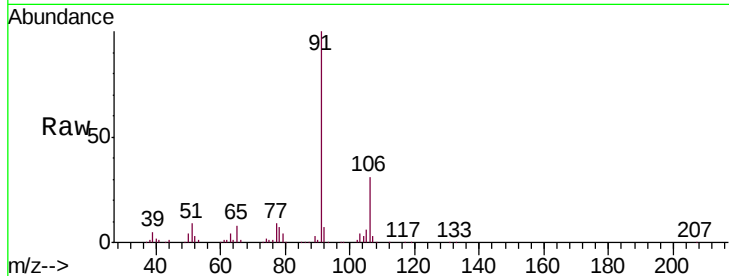




#63
Ethyl Benzene
Concen: 1.874 ug/l
RT: 9.25 min Scan# 2537
Delta R.T. -0.00 min
Lab File: VU029841.D
Acq: 06 Mar 2019 16:03

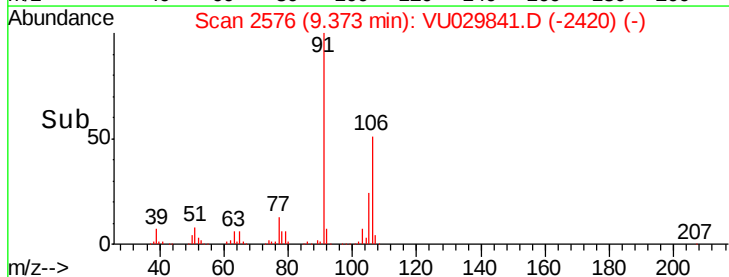
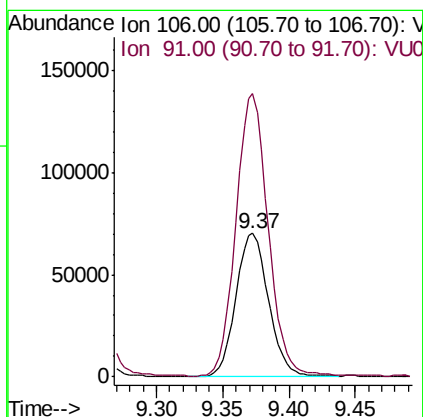
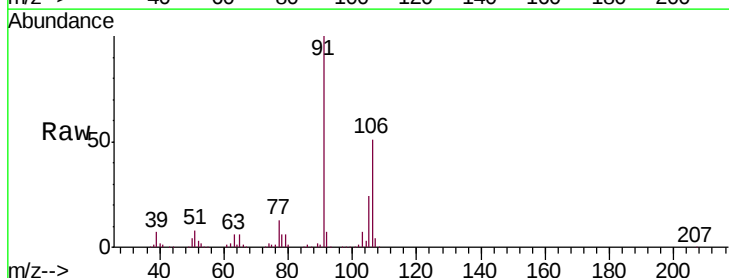
Instrument :
MSVOA_U
ClientSampleId :
VU0307WBSD01

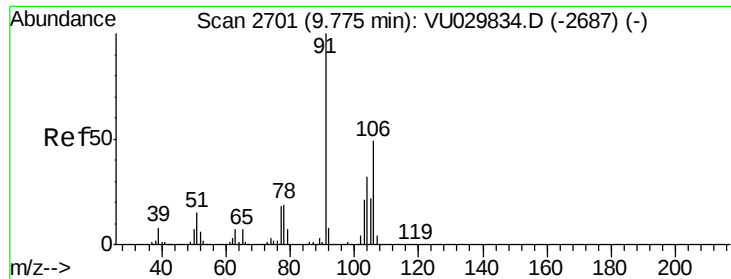
Tgt Ion: 91 Resp: 150113
Ion Ratio Lower Upper
91 100
106 31.4 25.7 38.5



#64
m/p-Xylenes
Concen: 3.816 ug/l
RT: 9.37 min Scan# 2576
Delta R.T. 0.00 min
Lab File: VU029841.D
Acq: 06 Mar 2019 16:03

Tgt Ion: 106 Resp: 120826
Ion Ratio Lower Upper
106 100
91 192.3 155.3 232.9

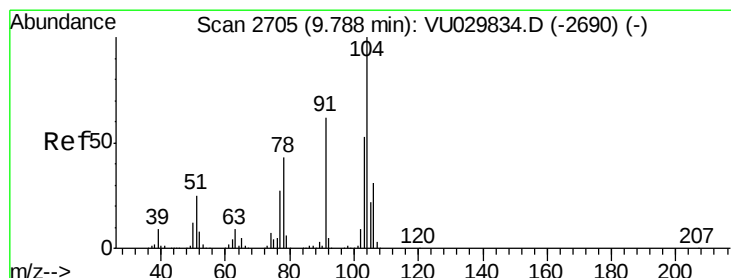
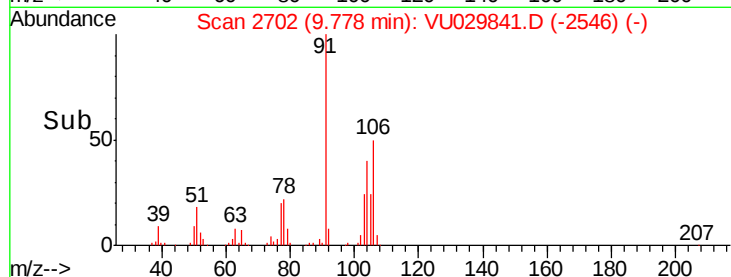
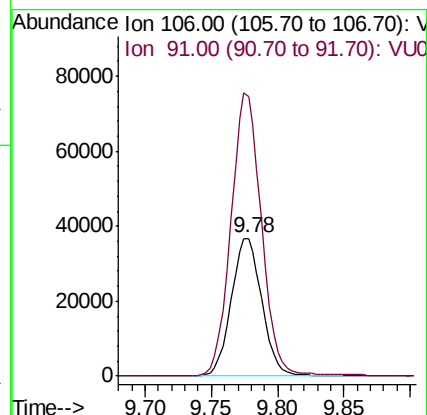
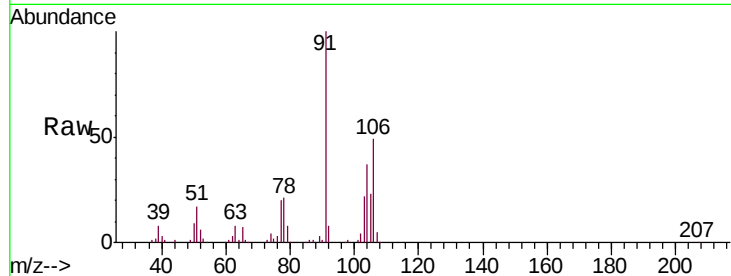




#65
o-Xylene
Concen: 1.938 ug/l
RT: 9.78 min Scan# 2702
Delta R.T. 0.00 min
Lab File: VU029841.D
Acq: 06 Mar 2019 16:03

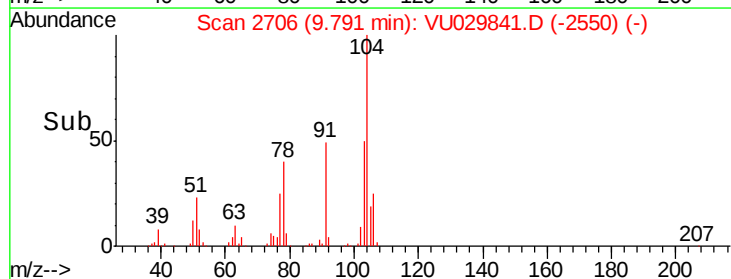
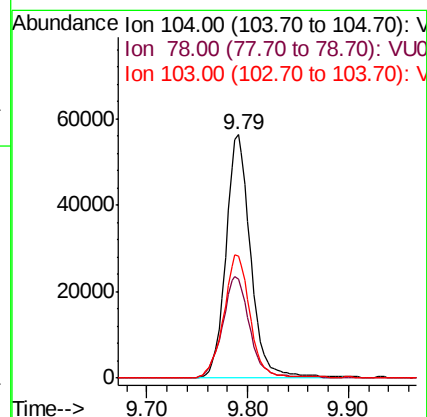
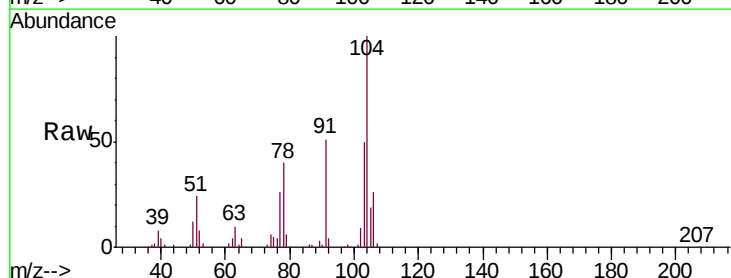
Instrument :
MSVOA_U
ClientSampleId :
VU0307WBSD01

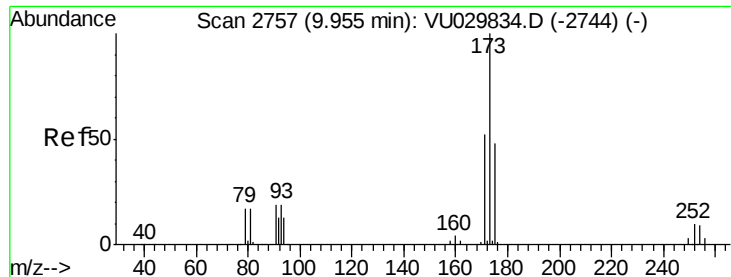
Tgt Ion:106 Resp: 58914
Ion Ratio Lower Upper
106 100
91 205.7 102.8 308.3



#66
Styrene
Concen: 1.913 ug/l
RT: 9.79 min Scan# 2706
Delta R.T. 0.00 min
Lab File: VU029841.D
Acq: 06 Mar 2019 16:03

Tgt Ion:104 Resp: 96661
Ion Ratio Lower Upper
104 100
78 46.2 37.2 55.8
103 53.4 44.7 67.1





#67

Bromoform

Concen: 1.842 ug/l

RT: 9.95 min Scan# 2757

Delta R.T. -0.00 min

Lab File: VU029841.D

Acq: 06 Mar 2019 16:03

Instrument :

MSVOA_U

ClientSampleId :

VU0307WBSD01

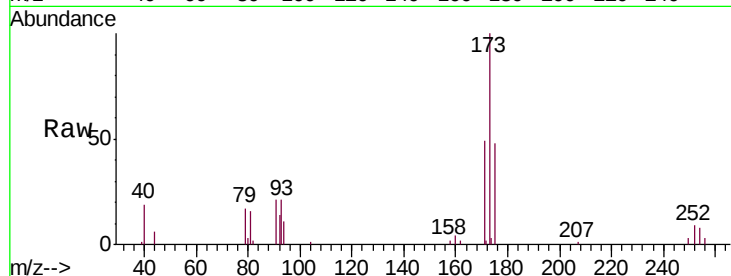
Tgt Ion:173 Resp: 17268

Ion Ratio Lower Upper

173 100

175 46.3 38.6 57.8

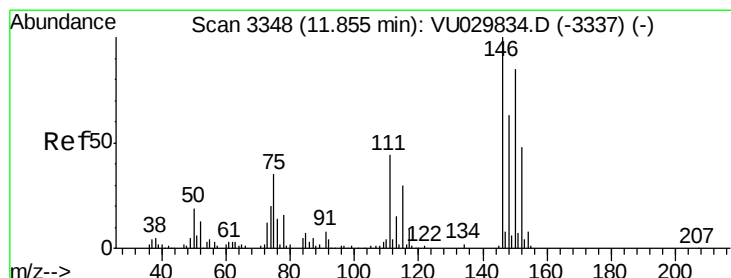
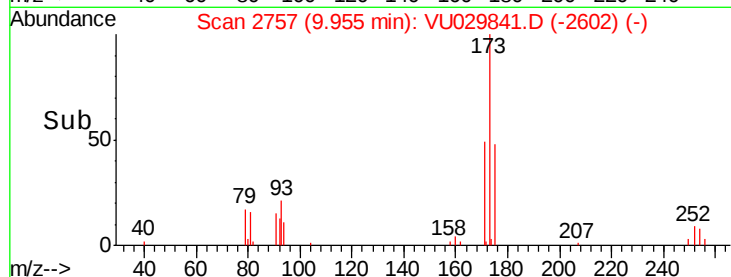
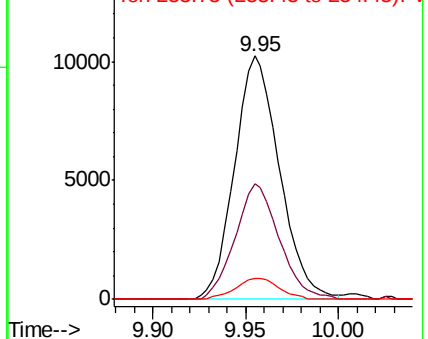
254 8.3 7.4 11.2



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: 1.842 ug/l

RT: 11.86 min Scan# 3349

Delta R.T. 0.00 min

Lab File: VU029841.D

Acq: 06 Mar 2019 16:03

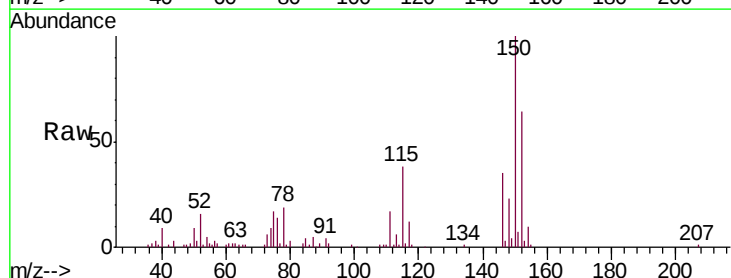
Tgt Ion:152 Resp: 25828

Ion Ratio Lower Upper

152 100

115 72.4 0.0 124.0

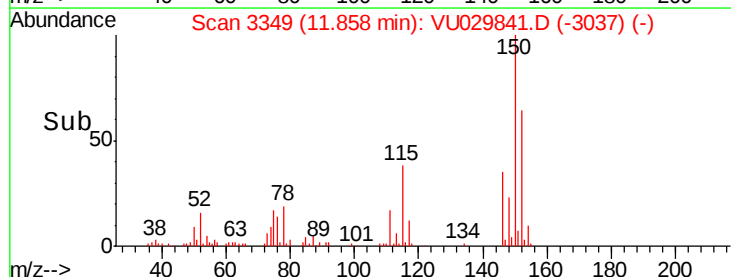
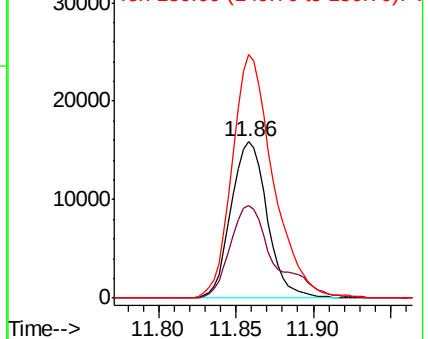
150 176.4 0.0 631.2

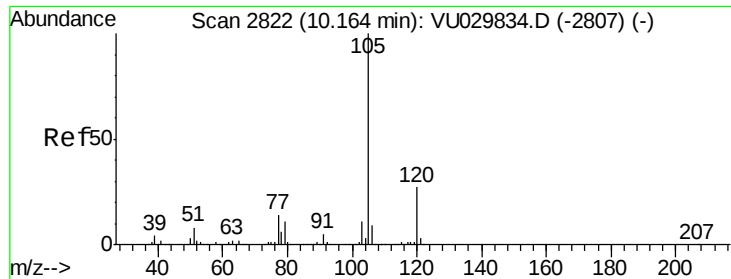


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#69

Isopropylbenzene

Concen: 1.905 ug/l

RT: 10.16 min Scan# 2822

Delta R.T. -0.00 min

Lab File: VU029841.D

Acq: 06 Mar 2019 16:03

Instrument :

MSVOA_U

ClientSampleId :

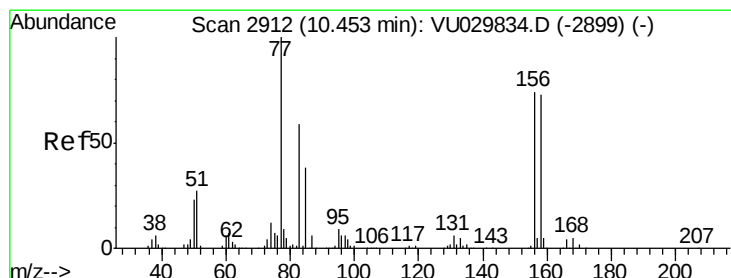
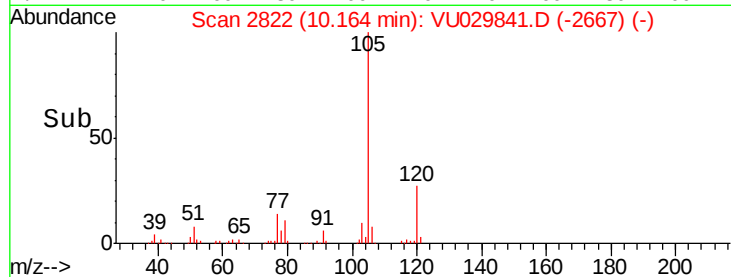
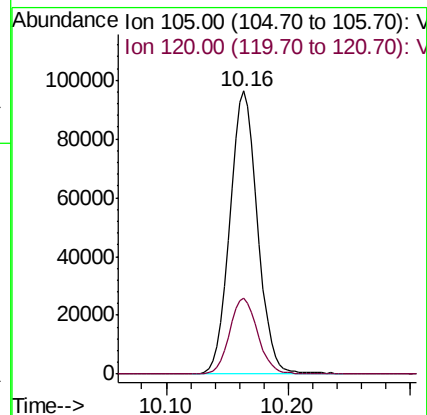
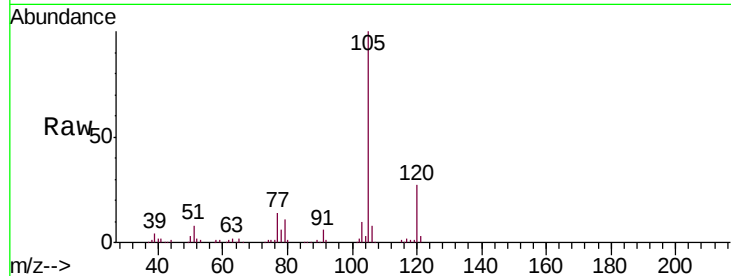
VU0307WBSD01

Tgt Ion:105 Resp: 153569

Ion Ratio Lower Upper

105 100

120 27.3 13.5 40.5



#70

1,1,2,2-Tetrachloroethane

Concen: 1.936 ug/l

RT: 10.45 min Scan# 2912

Delta R.T. -0.00 min

Lab File: VU029841.D

Acq: 06 Mar 2019 16:03

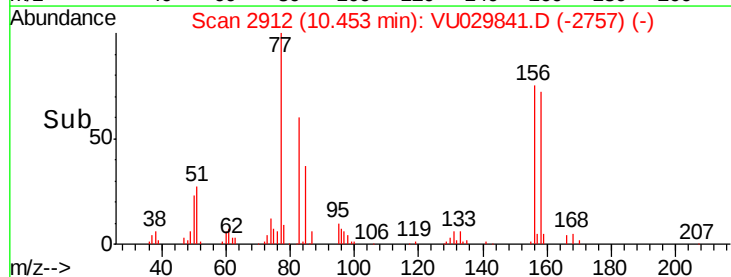
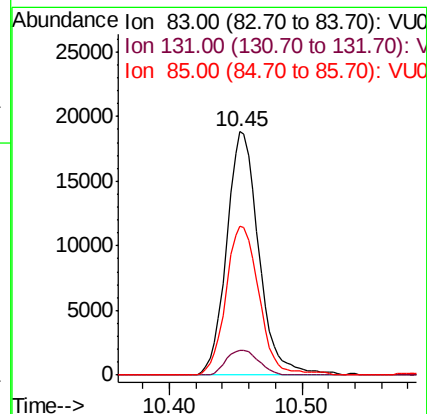
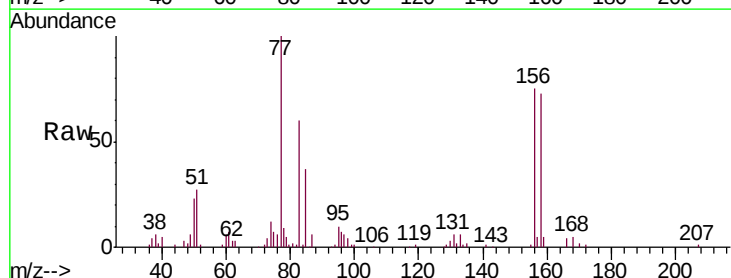
Tgt Ion: 83 Resp: 31754

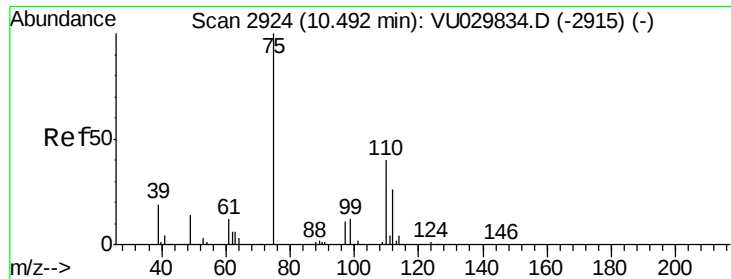
Ion Ratio Lower Upper

83 100

131 10.2 8.3 12.5

85 63.1 52.5 78.7

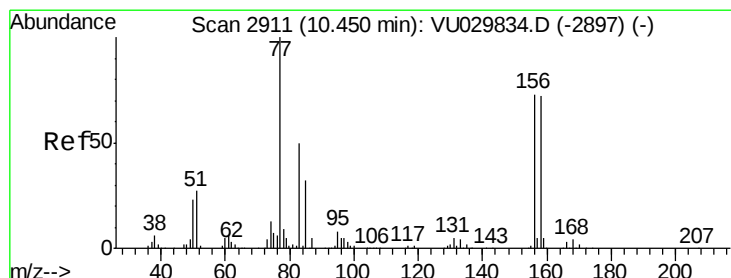
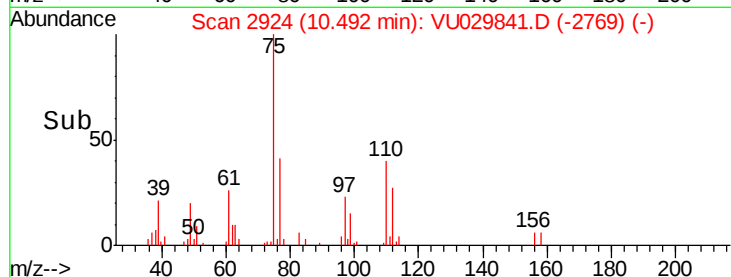
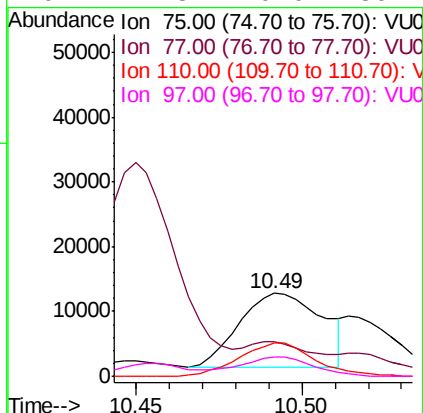
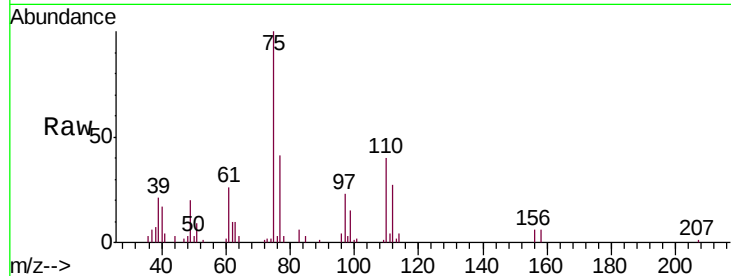




#71
 1,2,3-Trichloropropane
 Concen: 1.616 ug/l
 RT: 10.49 min Scan# 2924
 Delta R.T. -0.00 min
 Lab File: VU029841.D
 Acq: 06 Mar 2019 16:03

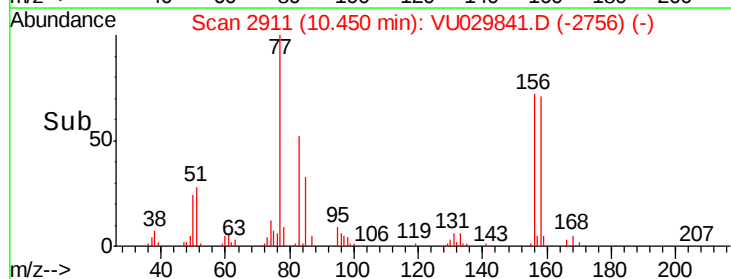
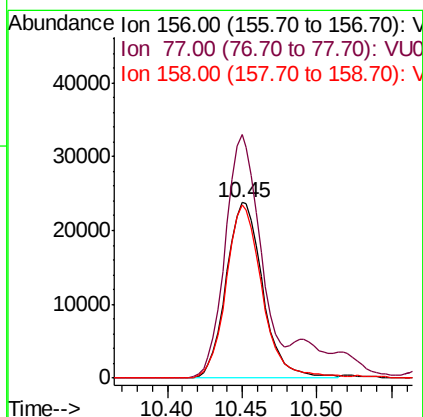
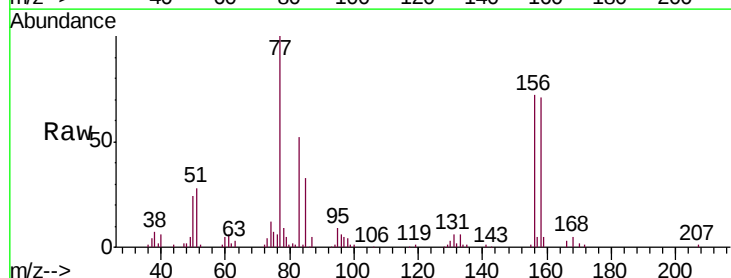
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0307WBSD01

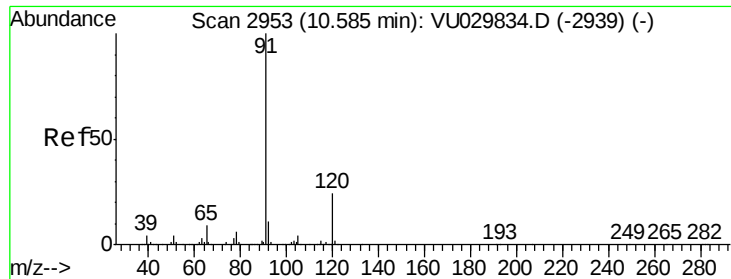
Tgt Ion:	75	Resp:	19707
Ion	Ratio	Lower	Upper
75	100		
77	12.4	0.0	16.4
110	41.3	0.0	74.8
97	22.8	0.0	39.4



#72
 Bromobenzene
 Concen: 1.898 ug/l
 RT: 10.45 min Scan# 2911
 Delta R.T. -0.00 min
 Lab File: VU029841.D
 Acq: 06 Mar 2019 16:03

Tgt Ion:	156	Resp:	40502
Ion	Ratio	Lower	Upper
156	100		
77	133.4	0.0	282.2
158	96.9	0.0	196.2





#73

n-propylbenzene

Concen: 1.865 ug/l

RT: 10.58 min Scan# 2953

Delta R.T. -0.00 min

Lab File: VU029841.D

Acq: 06 Mar 2019 16:03

Instrument :

MSVOA_U

ClientSampleId :

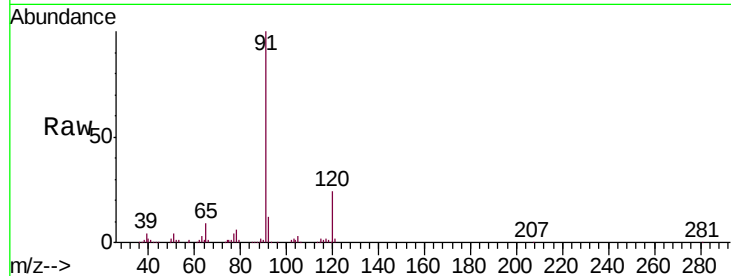
VU0307WBSD01

Tgt Ion:120 Resp: 42280

Ion Ratio Lower Upper

120 100

91 421.5 333.4 500.2



Abundance Ion 120.00 (119.70 to 120.70): V

Ion 91.00 (90.70 to 91.70): VU0

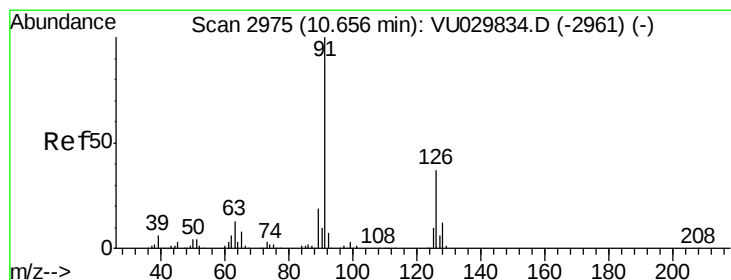
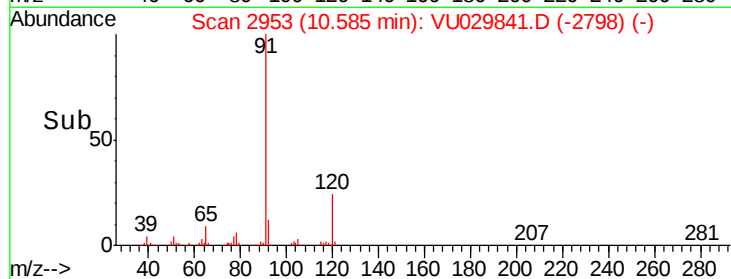
100000

50000

0

10.58

Time-->



#74

2-Chlorotoluene

Concen: 1.926 ug/l

RT: 10.66 min Scan# 2976

Delta R.T. 0.00 min

Lab File: VU029841.D

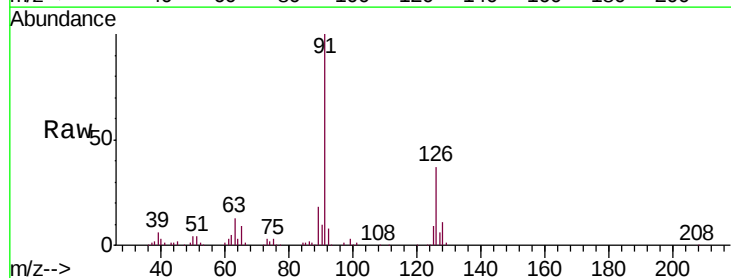
Acq: 06 Mar 2019 16:03

Tgt Ion:126 Resp: 38718

Ion Ratio Lower Upper

126 100

91 275.6 0.0 569.0



Abundance Ion 126.00 (125.70 to 126.70): V

Ion 91.00 (90.70 to 91.70): VU0

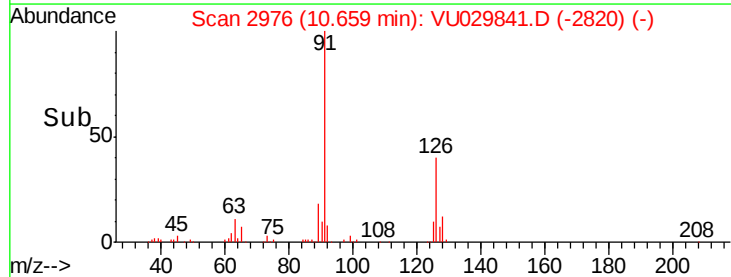
100000

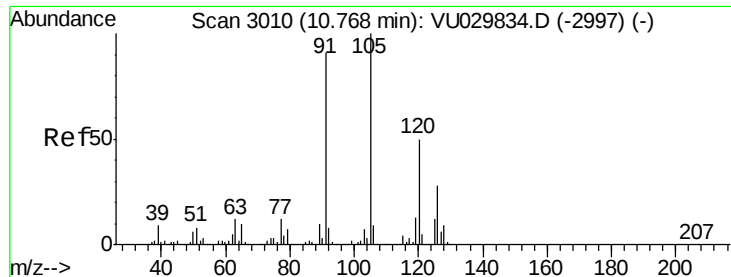
50000

0

10.66

Time-->





#75

1,3,5-Trimethylbenzene

Concen: 1.879 ug/l

RT: 10.77 min Scan# 3010

Delta R.T. -0.00 min

Lab File: VU029841.D

Acq: 06 Mar 2019 16:03

Instrument :

MSVOA_U

ClientSampleId :

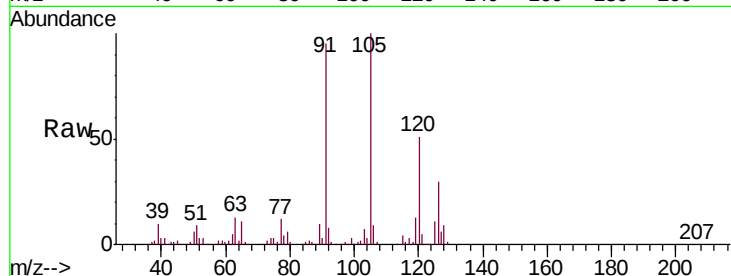
VU0307WBSD01

Tgt Ion:105 Resp: 127634

Ion Ratio Lower Upper

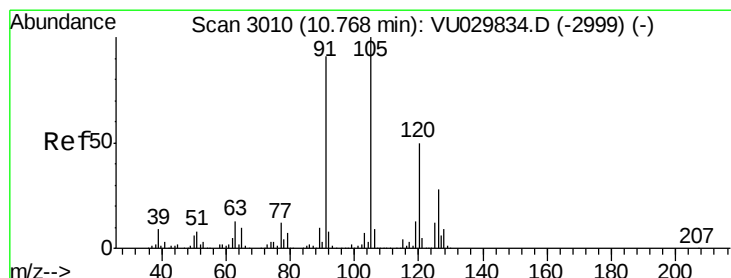
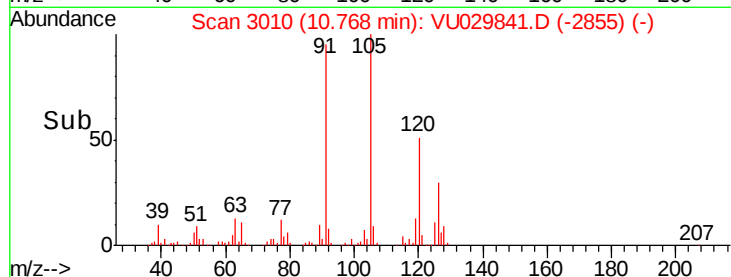
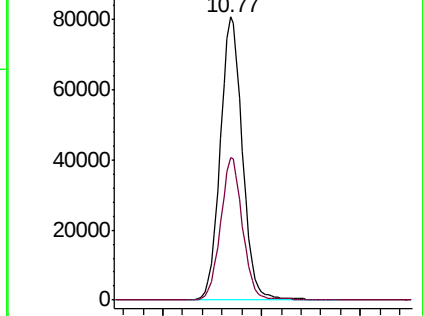
105 100

120 50.1 40.0 60.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#76

4-Chlorotoluene

Concen: 1.986 ug/l

RT: 10.77 min Scan# 3011

Delta R.T. 0.00 min

Lab File: VU029841.D

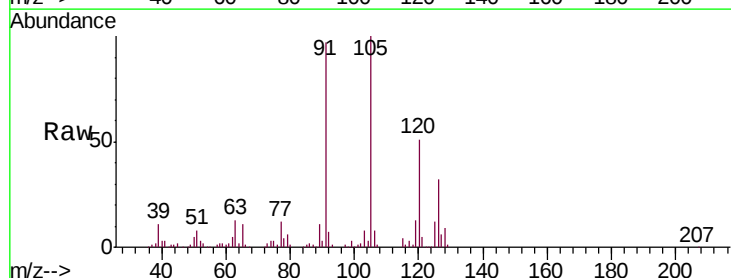
Acq: 06 Mar 2019 16:03

Tgt Ion:126 Resp: 40714

Ion Ratio Lower Upper

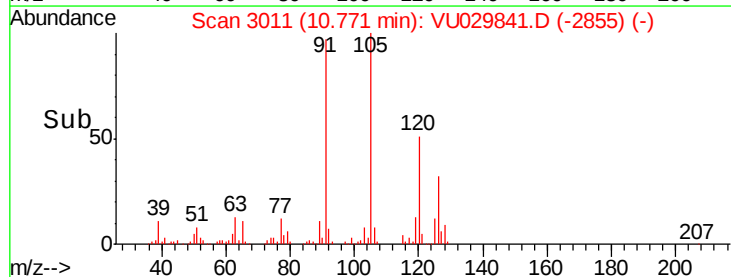
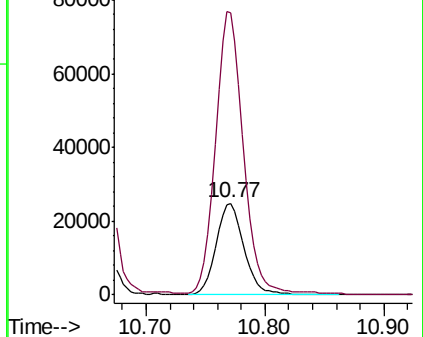
126 100

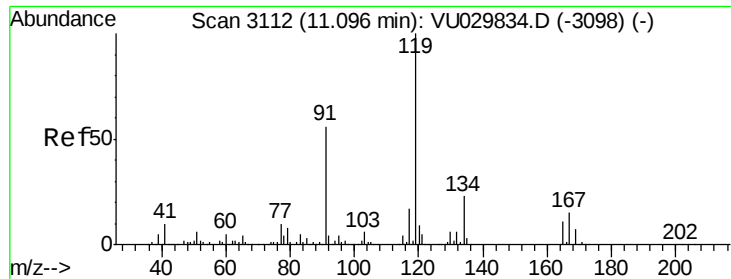
91 306.4 0.0 634.8



Abundance Ion 126.00 (125.70 to 126.70): V

Ion 91.00 (90.70 to 91.70): VU0

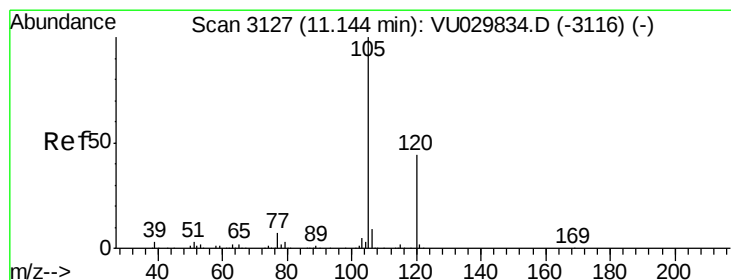
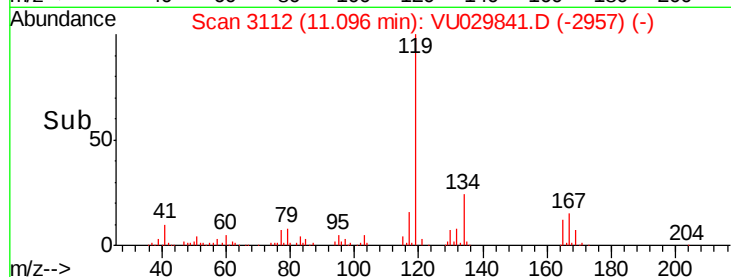
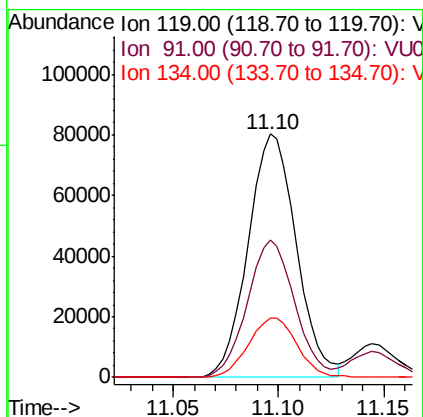
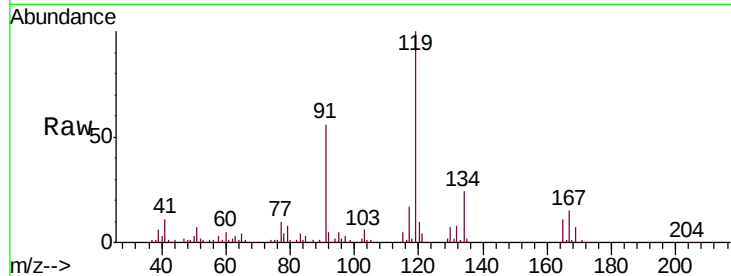




#77
 tert-Butylbenzene
 Concen: 1.900 ug/l
 RT: 11.10 min Scan# 3112
 Delta R.T. -0.00 min
 Lab File: VU029841.D
 Acq: 06 Mar 2019 16:03

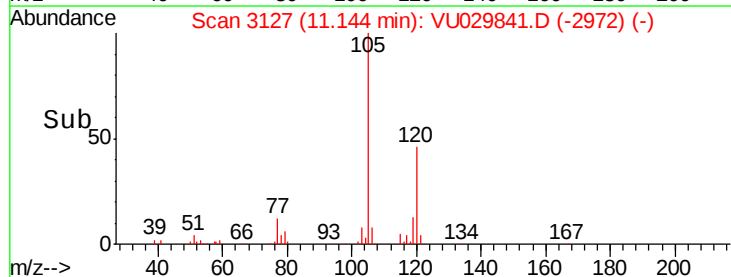
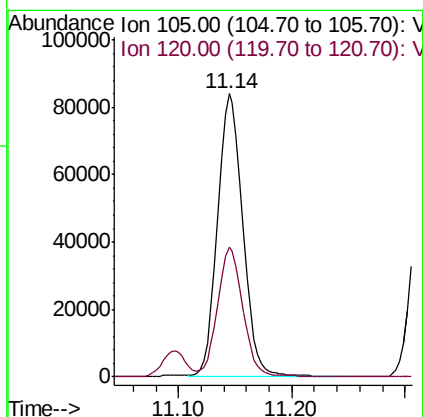
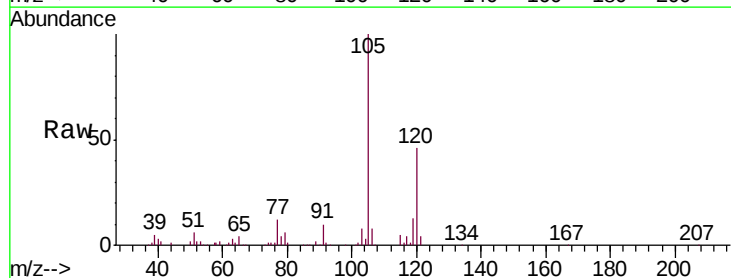
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0307WBSD01

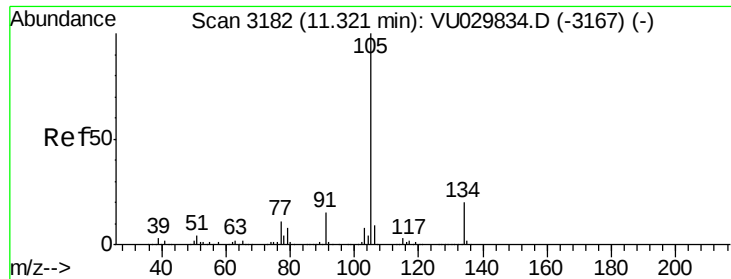
Tgt Ion:119 Resp: 127709
 Ion Ratio Lower Upper
 119 100
 91 55.3 27.7 83.1
 134 24.7 18.7 28.1



#78
 1,2,4-Trimethylbenzene
 Concen: 1.904 ug/l
 RT: 11.14 min Scan# 3127
 Delta R.T. -0.00 min
 Lab File: VU029841.D
 Acq: 06 Mar 2019 16:03

Tgt Ion:105 Resp: 130709
 Ion Ratio Lower Upper
 105 100
 120 45.0 23.5 70.5





#79

sec-Butylbenzene

Concen: 1.921 ug/l

RT: 11.32 min Scan# 3182

Delta R.T. -0.00 min

Lab File: VU029841.D

Acq: 06 Mar 2019 16:03

Instrument :

MSVOA_U

ClientSampleId :

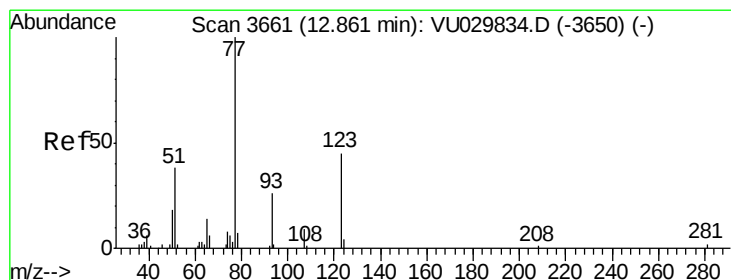
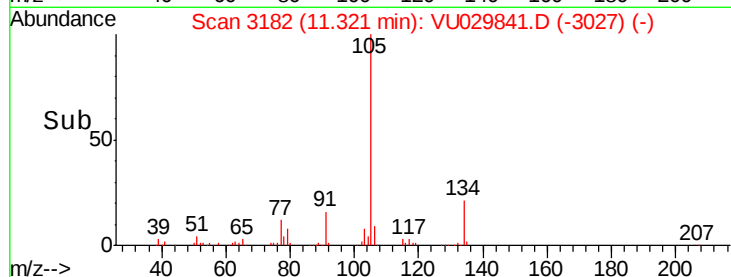
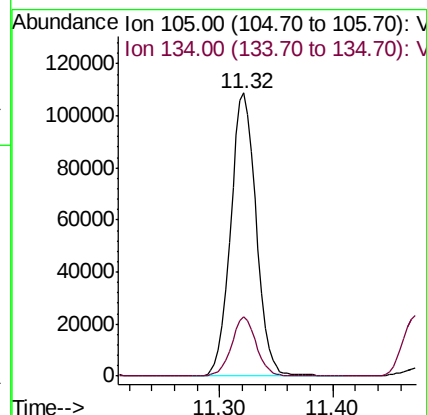
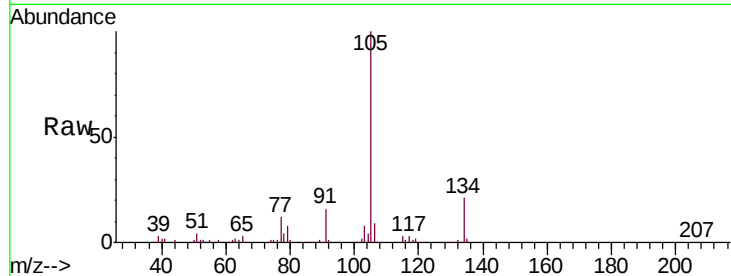
VU0307WBSD01

Tgt Ion:105 Resp: 171093

Ion Ratio Lower Upper

105 100

134 20.3 16.3 24.5



#80

Nitrobenzene

Concen: 4.866 ug/l

RT: 12.87 min Scan# 3665

Delta R.T. 0.01 min

Lab File: VU029841.D

Acq: 06 Mar 2019 16:03

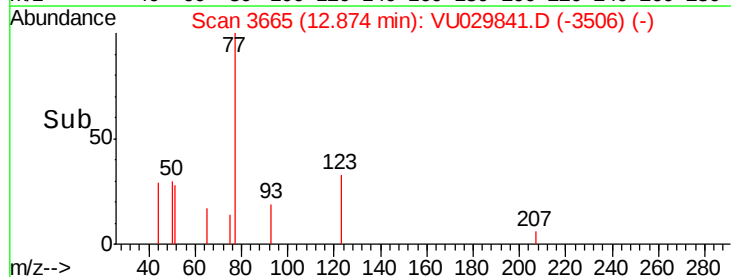
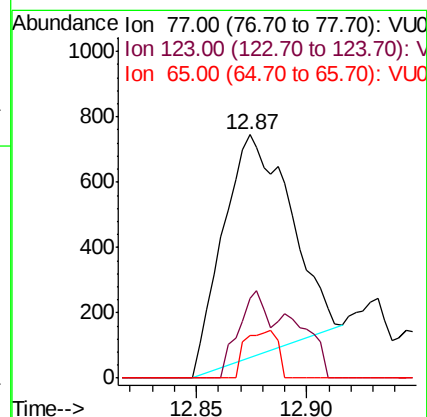
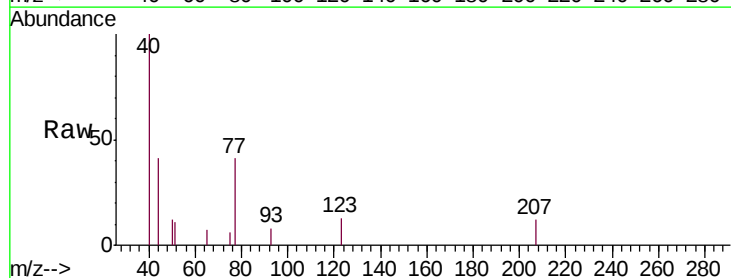
Tgt Ion: 77 Resp: 1449

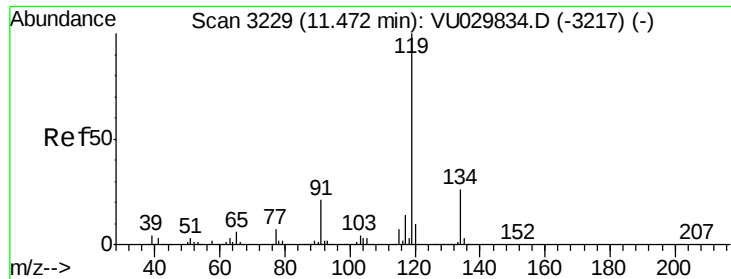
Ion Ratio Lower Upper

77 100

123 16.9 20.2 71.4#

65 10.3 14.0 17.8#

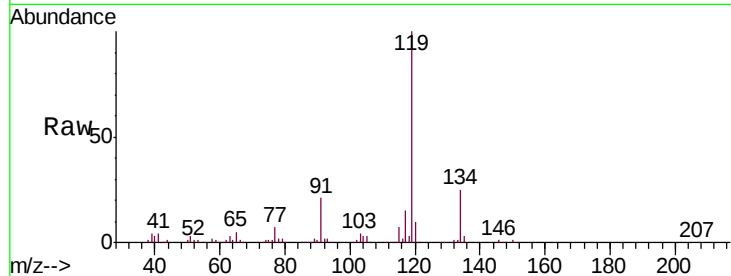




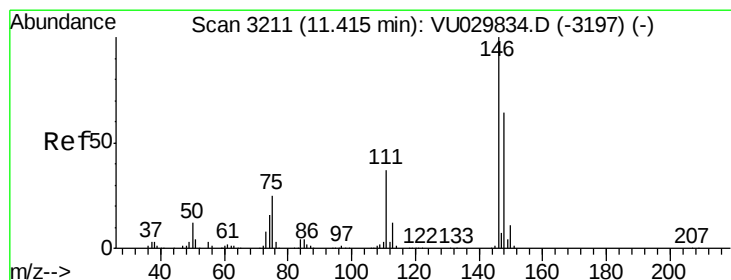
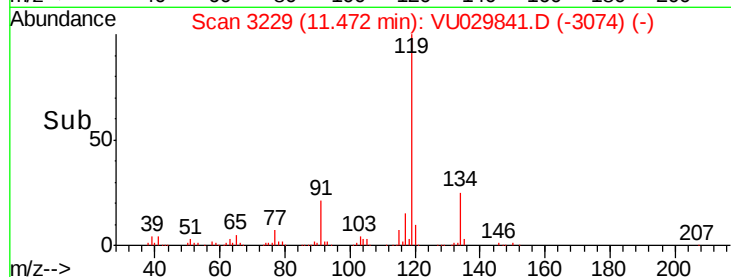
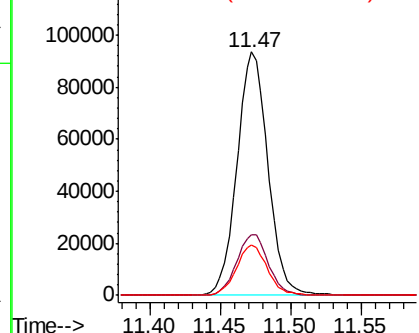
#81
p-Isopropyltoluene
Concen: 1.911 ug/l
RT: 11.47 min Scan# 3229
Delta R.T. -0.00 min
Lab File: VU029841.D
Acq: 06 Mar 2019 16:03

Instrument :
MSVOA_U
ClientSampleId :
VU0307WBSD01

Tgt Ion:119 Resp: 142499
Ion Ratio Lower Upper
119 100
134 25.8 21.2 31.8
91 21.2 17.2 25.8

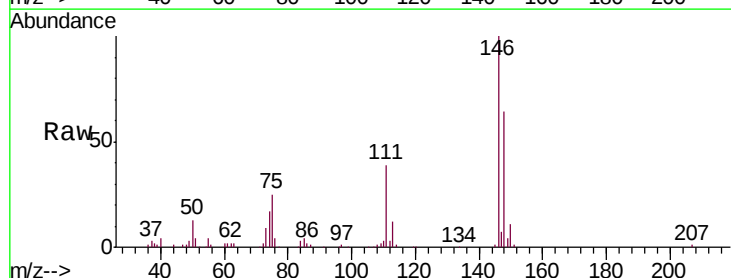


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 134.00 (133.70 to 134.70): V
Ion 91.00 (90.70 to 91.70): V

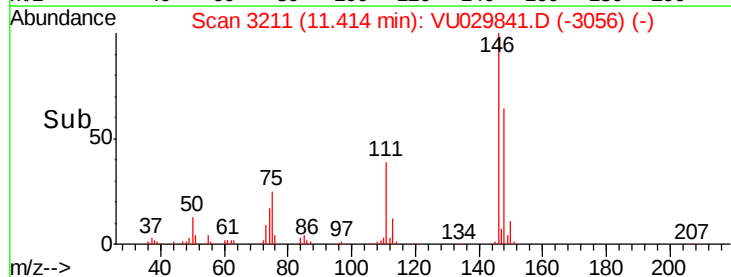
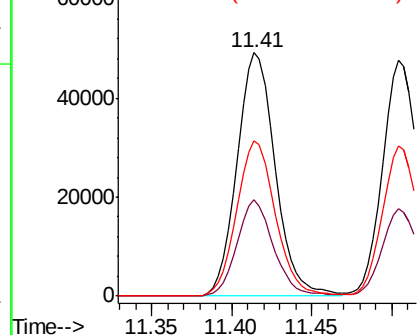


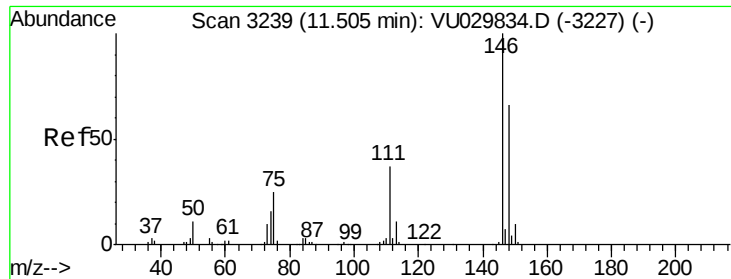
#82
1,3-Dichlorobenzene
Concen: 1.898 ug/l
RT: 11.41 min Scan# 3211
Delta R.T. -0.00 min
Lab File: VU029841.D
Acq: 06 Mar 2019 16:03

Tgt Ion:146 Resp: 80221
Ion Ratio Lower Upper
146 100
111 37.8 30.2 45.4
148 64.6 51.2 76.8



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

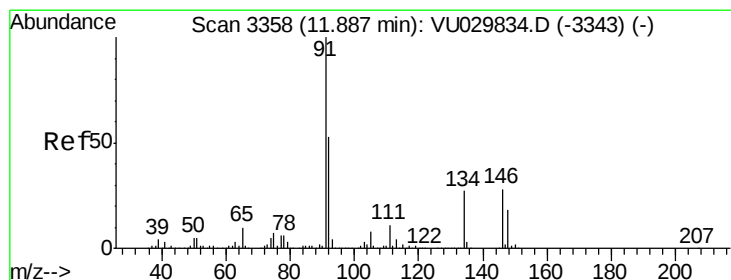
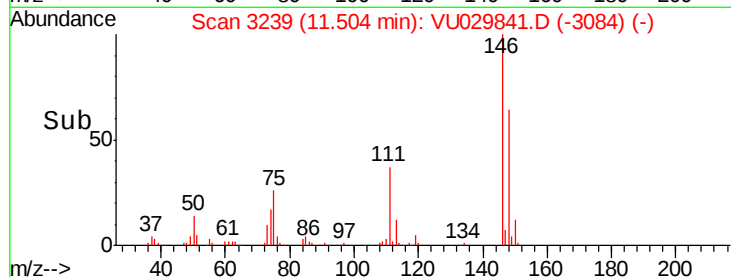
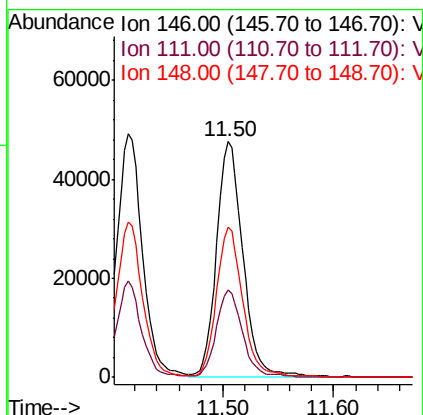
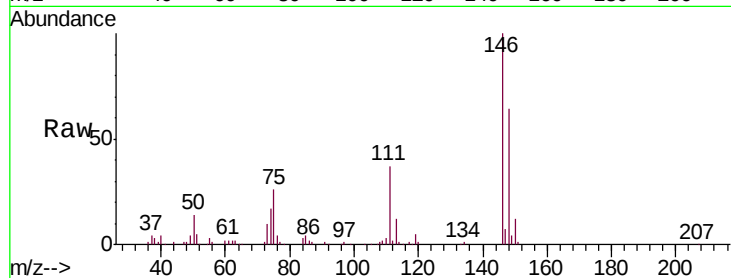




#83
 1,4-Dichlorobenzene
 Concen: 1.899 ug/l
 RT: 11.50 min Scan# 3239
 Delta R.T. -0.00 min
 Lab File: VU029841.D
 Acq: 06 Mar 2019 16:03

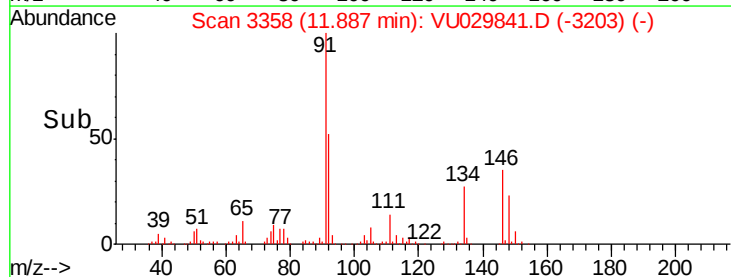
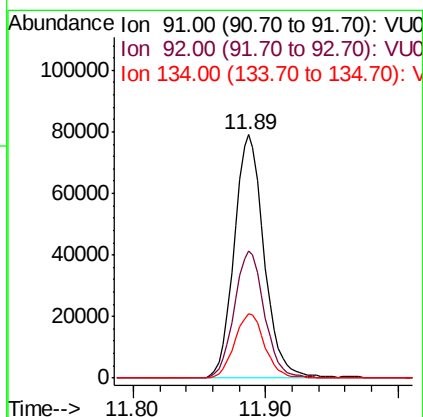
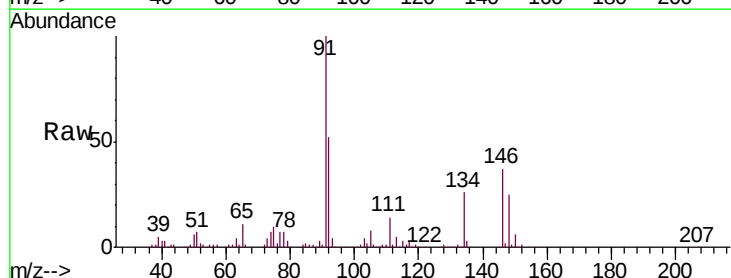
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0307WBSD01

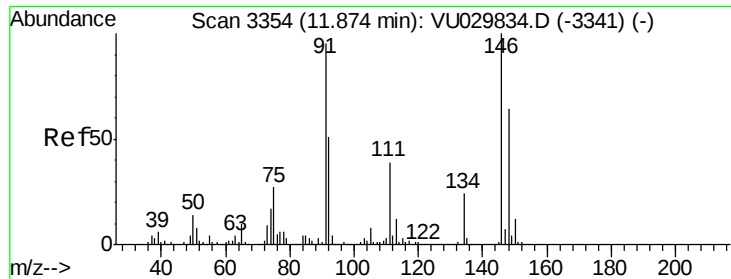
Tgt Ion: 146 Resp: 78421
 Ion Ratio Lower Upper
 146 100
 111 37.4 29.4 44.2
 148 64.4 51.7 77.5



#84
 n-Butylbenzene
 Concen: 1.817 ug/l
 RT: 11.89 min Scan# 3358
 Delta R.T. -0.00 min
 Lab File: VU029841.D
 Acq: 06 Mar 2019 16:03

Tgt Ion: 91 Resp: 123421
 Ion Ratio Lower Upper
 91 100
 92 52.9 42.6 63.8
 134 26.7 21.7 32.5





#85

1,2-Dichlorobenzene

Concen: 1.873 ug/l

RT: 11.88 min Scan# 3355

Delta R.T. 0.00 min

Lab File: VU029841.D

Acq: 06 Mar 2019 16:03

Instrument :

MSVOA_U

ClientSampleId :

VU0307WBSD01

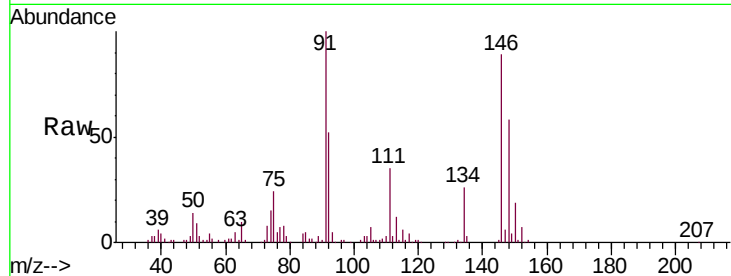
Tgt Ion:146 Resp: 74666

Ion Ratio Lower Upper

146 100

111 39.8 19.9 59.6

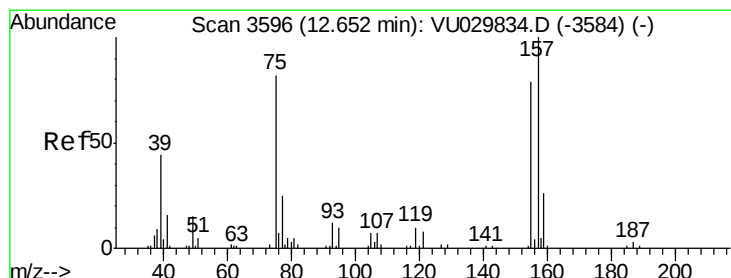
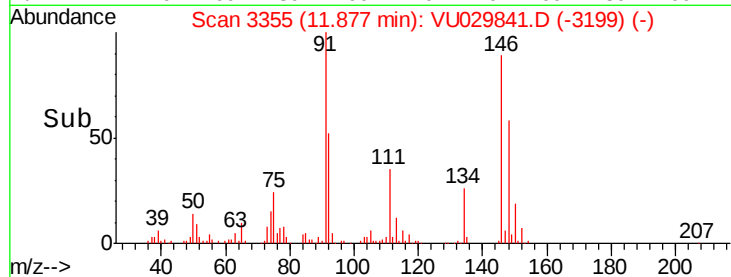
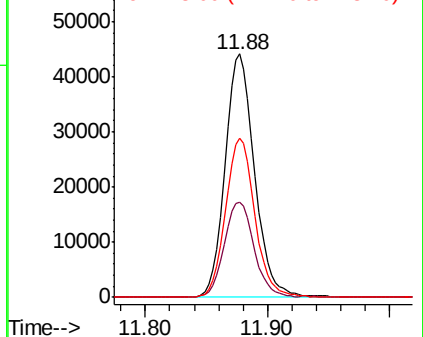
148 65.1 32.1 96.3



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: 1.816 ug/l

RT: 12.66 min Scan# 3597

Delta R.T. 0.00 min

Lab File: VU029841.D

Acq: 06 Mar 2019 16:03

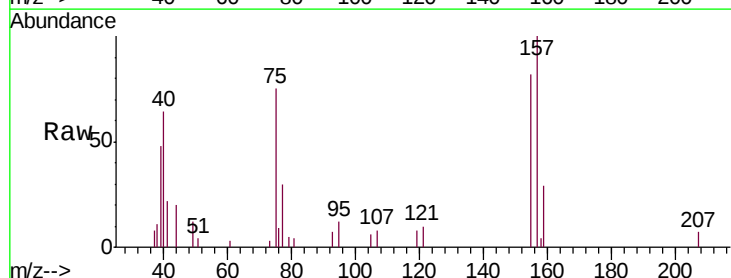
Tgt Ion: 75 Resp: 4254

Ion Ratio Lower Upper

75 100

155 94.0 76.6 114.8

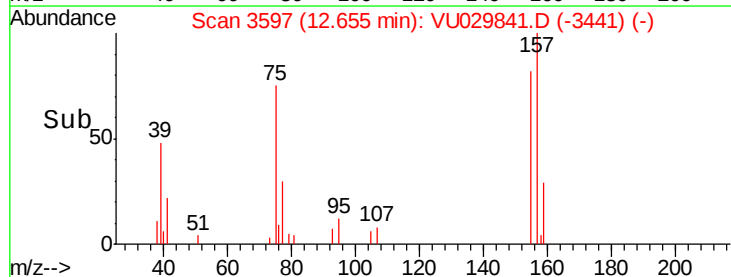
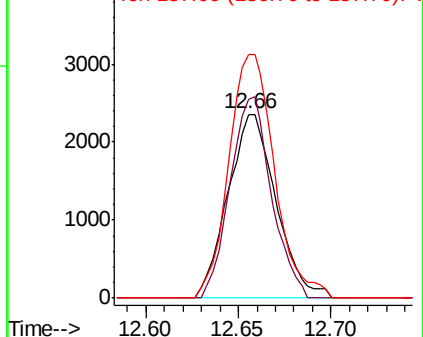
157 126.0 96.2 144.2

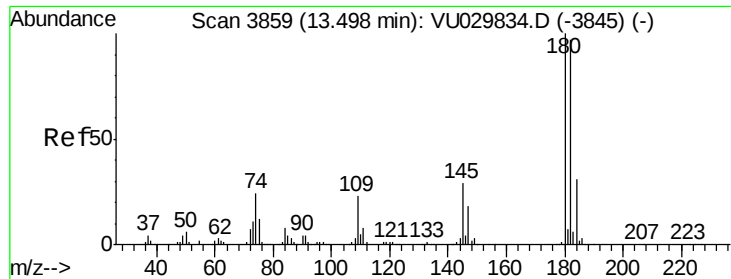


Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

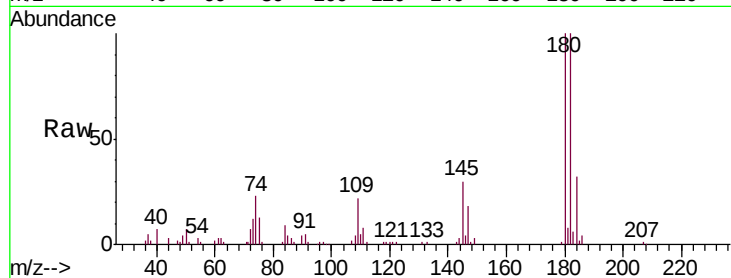




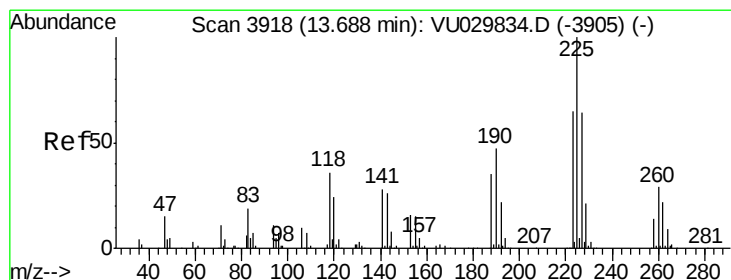
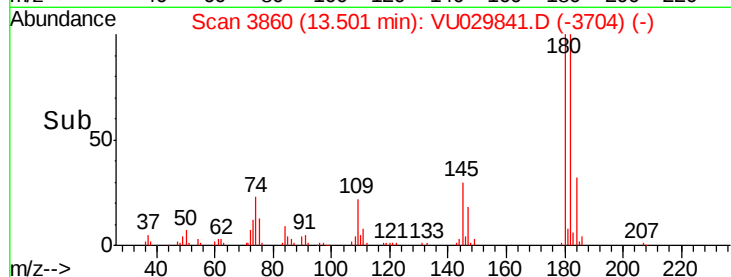
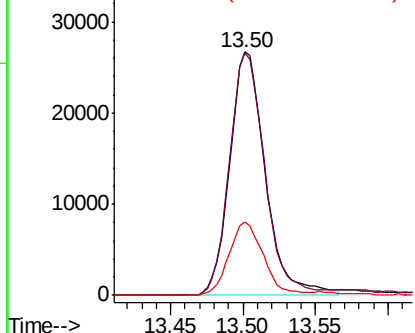
#87
 1,2,4-Trichlorobenzene
 Concen: 1.782 ug/l
 RT: 13.50 min Scan# 3860
 Delta R.T. 0.00 min
 Lab File: VU029841.D
 Acq: 06 Mar 2019 16:03

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0307WBSD01

Tgt Ion:180 Resp: 45475
 Ion Ratio Lower Upper
 180 100
 182 99.0 77.5 116.3
 145 29.1 23.6 35.4

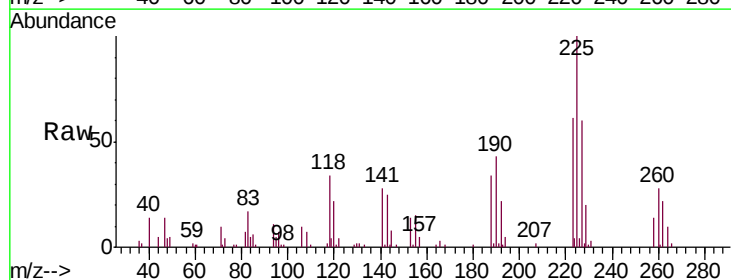


Abundance Ion 179.70 (179.40 to 180.40): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

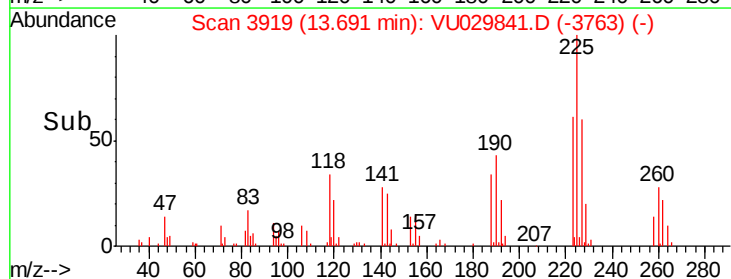
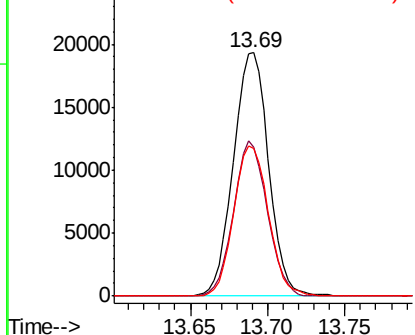


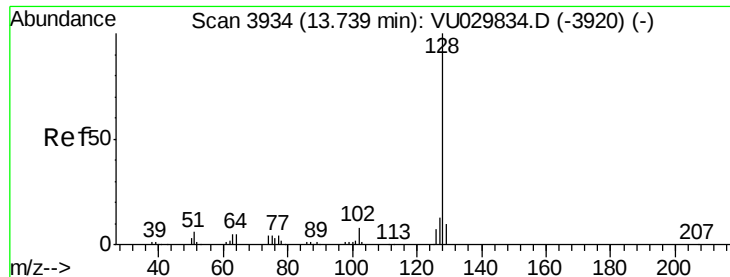
#88
 Hexachlorobutadiene
 Concen: 1.902 ug/l
 RT: 13.69 min Scan# 3919
 Delta R.T. 0.00 min
 Lab File: VU029841.D
 Acq: 06 Mar 2019 16:03

Tgt Ion:225 Resp: 30573
 Ion Ratio Lower Upper
 225 100
 223 60.9 51.2 76.8
 227 60.6 50.9 76.3



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: 1.819 ug/l

RT: 13.74 min Scan# 3935

Delta R.T. 0.00 min

Lab File: VU029841.D

Acq: 06 Mar 2019 16:03

Instrument :

MSVOA_U

ClientSampleId :

VU0307WBSD01

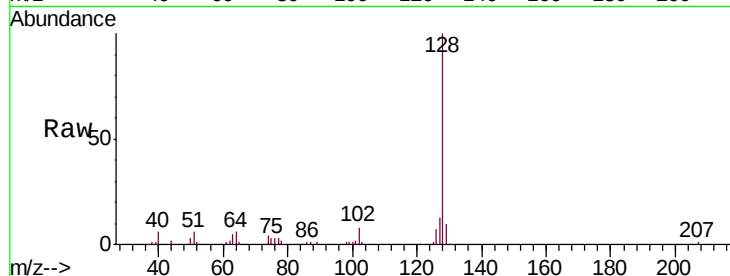
Tgt Ion:128 Resp: 70454

Ion Ratio Lower Upper

128 100

127 12.0 10.2 15.4

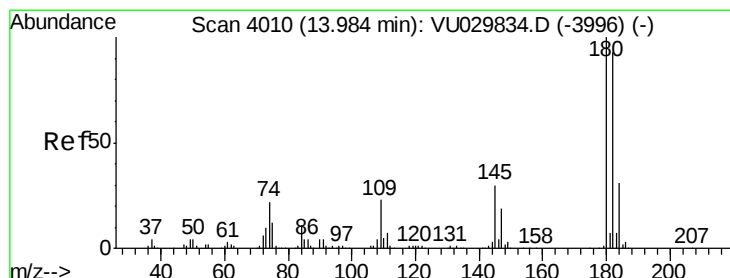
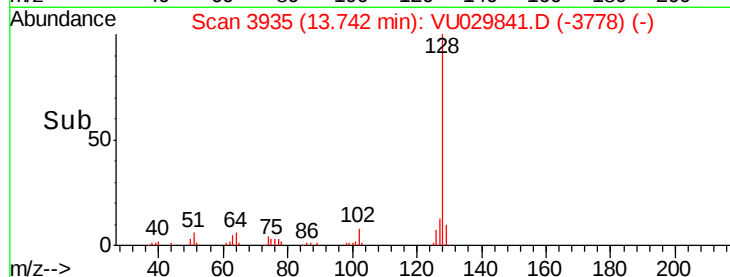
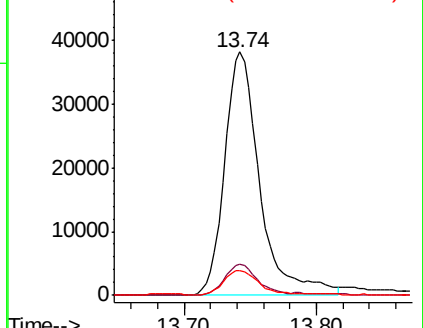
129 11.0 8.2 12.4



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: 1.895 ug/l

RT: 13.99 min Scan# 4011

Delta R.T. 0.00 min

Lab File: VU029841.D

Acq: 06 Mar 2019 16:03

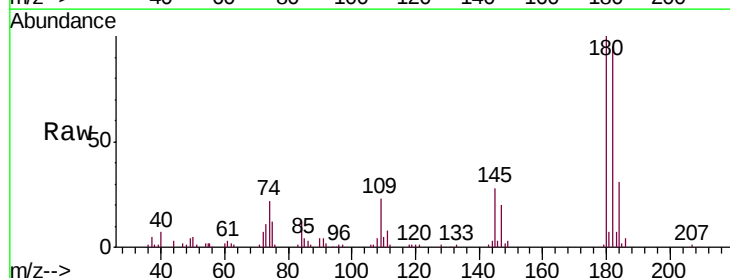
Tgt Ion:180 Resp: 45445

Ion Ratio Lower Upper

180 100

182 92.5 74.8 112.2

145 27.6 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

