

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU062918\
 Data File : VU025061.D
 Acq On : 29 Jun 2018 10:33
 Operator : MD/SY
 Sample : VSTD00540
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00540

Quant Time: Jun 29 23:18:33 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM062918WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Jun 29 23:18:31 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	370102	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	324475	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	157080	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	11616	5.42	ug/L	0.00
7) Chloroethane-d5	1.68	69	9573	5.77	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.28	63	24982	5.75	ug/L	0.00
21) 2-Butanone-d5	4.18	46	18123	9.98	ug/L	0.00
24) Chloroform-d	4.65	84	23393	5.37	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.31	65	18192	6.48	ug/L	0.00
32) Benzene-d6	5.35	84	47553	5.90	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.34	67	14721	5.53	ug/L	0.00
41) Toluene-d8	7.57	98	45992	5.68	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.85	79	6883	5.09	ug/L	0.00
47) 2-Hexanone-d5	8.32	63	11827	8.81	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.44	84	19492	5.03	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.86	152	17466	5.61	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.21	85	16586	5.423 ug/L	98
3) Chloromethane	1.33	50	14361	5.336 ug/L	99
5) Vinyl chloride	1.40	62	14753	5.129 ug/L	99
6) Bromomethane	1.63	94	8108	5.786 ug/L	91
8) Chloroethane	1.70	64	8686	5.102 ug/L	97
9) Trichlorofluoromethane	1.89	101	21166	4.992 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	12471	5.171 ug/L	95
12) 1,1-Dichloroethene	2.29	96	11271	5.098 ug/L	95
13) Acetone	2.32	43	21318	11.103 ug/L	99
14) Carbon disulfide	2.48	76	33271	4.681 ug/L	100
15) Methyl Acetate	2.62	43	14858	5.080 ug/L	93
16) Methylene chloride	2.71	84	13550	5.018 ug/L	96
17) trans-1,2-Dichloroethene	2.99	96	12506	5.049 ug/L	94
18) Methyl tert-butyl Ether	3.00	73	42435	5.176 ug/L	98
19) 1,1-Dichloroethane	3.45	63	23522	5.105 ug/L	95
20) cis-1,2-Dichloroethene	4.23	96	14623	5.058 ug/L	94
22) 2-Butanone	4.27	43	21940	9.078 ug/L	96
23) Bromochloromethane	4.55	128	4167	2.869 ug/L	90
25) Chloroform	4.68	83	24876	5.192 ug/L	99
27) 1,2-Dichloroethane	5.41	62	20964	5.595 ug/L #	93
29) Cyclohexane	5.00	56	21571	5.345 ug/L	98
30) 1,1,1-Trichloroethane	4.92	97	22259	5.540 ug/L	100
31) Carbon tetrachloride	5.14	117	18190	4.980 ug/L	96
33) Benzene	5.39	78	50331	5.250 ug/L	100
34) Trichloroethene	6.19	95	12993	4.928 ug/L	92
35) Methylcyclohexane	6.42	83	22894	5.394 ug/L	97
37) 1,2-Dichloropropane	6.44	63	13397	5.047 ug/L #	92
38) Bromodichloromethane	6.76	83	16821	4.806 ug/L	96
39) cis-1,3-Dichloropropene	7.27	75	19898	4.743 ug/L	93
40) 4-Methyl-2-pentanone	7.46	43	36759	9.363 ug/L	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU062918\
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 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

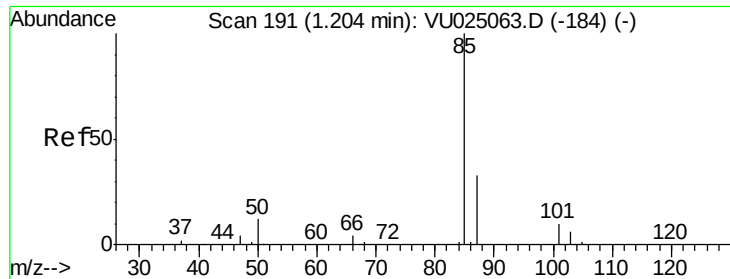
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00540

Quant Time: Jun 29 23:18:33 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM062918WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Jun 29 23:18:31 2018
 Response via : Initial Calibration

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

42) Toluene	7.64	91	52789	4.959	ug/L	97
44) trans-1,3-Dichloropropene	7.89	75	18773	4.927	ug/L	99
45) 1,1,2-Trichloroethane	8.07	97	12428	4.960	ug/L	97
46) Tetrachloroethene	8.23	164	11159	5.040	ug/L	96
48) 2-Hexanone	8.37	43	27953	8.808	ug/L	99
49) Dibromochloromethane	8.48	129	13239	4.361	ug/L	98
50) 1,2-Dibromoethane	8.59	107	13671	4.984	ug/L #	96
51) Chlorobenzene	9.12	112	35890	5.056	ug/L	98
52) Ethylbenzene	9.26	91	57891	4.755	ug/L	97
53) m,p-Xylene	9.38	106	22218	4.742	ug/L	99
54) o-xylene	9.78	106	22274	4.796	ug/L	93
55) Styrene	9.80	104	34887	4.464	ug/L	97
56) Isopropylbenzene	10.17	105	58539	4.784	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.46	83	19727	4.595	ug/L	99
59) 1,2,3-Trichloropropane	10.50	75	16417	4.838	ug/L	100
61) Bromoform	9.96	173	9803	4.328	ug/L	96
62) 1,3-Dichlorobenzene	11.42	146	25826	4.884	ug/L	99
63) 1,4-Dichlorobenzene	11.51	146	26383	4.967	ug/L	96
65) 1,2-Dichlorobenzene	11.88	146	27211	5.067	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.66	75	3955	4.228	ug/L	94
67) 1,3,5-Trichlorobenzene	12.89	180	18362	4.442	ug/L	98
68) 1,2,4-trichlorobenzene	13.51	180	13752	4.031	ug/L	96
69) Naphthalene	13.75	128	48586	4.945	ug/L	99
70) 1,2,3-Trichlorobenzene	13.99	180	16101	4.600	ug/L	96

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



#2

Dichlorodifluoromethane

Concen: 5.423 ug/L

RT: 1.21 min Scan# 192

Delta R.T. 0.00 min

Lab File: VU025061.D

Acq: 29 Jun 2018 10:33

Instrument :

MSVOA_U

ClientSampleId :

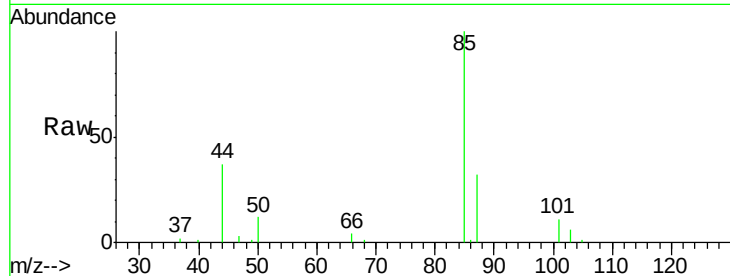
VSTD00540

Tgt Ion: 85 Resp: 16586

Ion Ratio Lower Upper

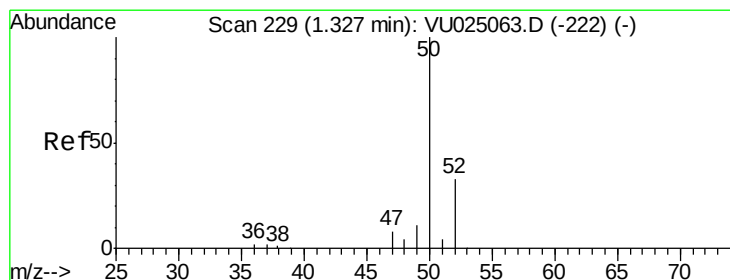
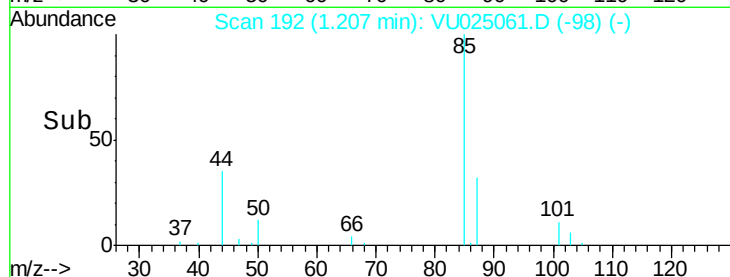
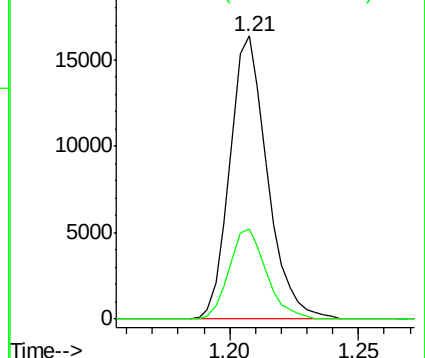
85 100

87 31.5 26.1 39.1



Abundance Ion 85.00 (84.70 to 85.70): VU0

Ion 87.00 (86.70 to 87.70): VU0



#3

Chloromethane

Concen: 5.336 ug/L

RT: 1.33 min Scan# 230

Delta R.T. 0.00 min

Lab File: VU025061.D

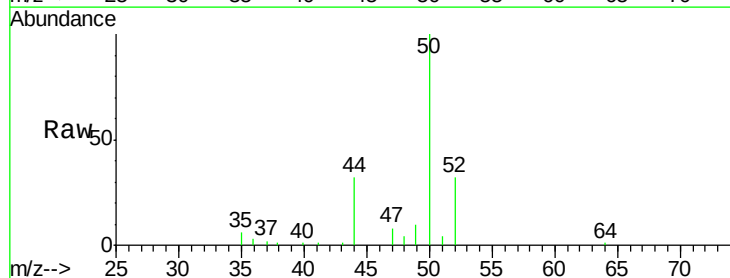
Acq: 29 Jun 2018 10:33

Tgt Ion: 50 Resp: 14361

Ion Ratio Lower Upper

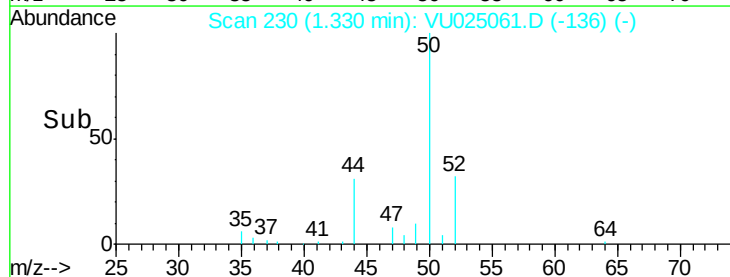
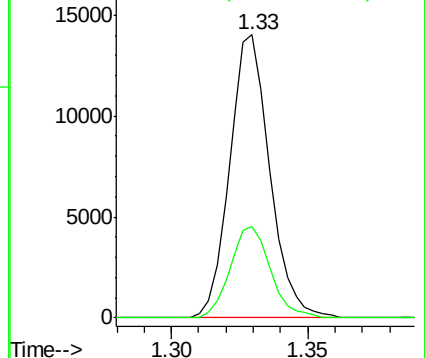
50 100

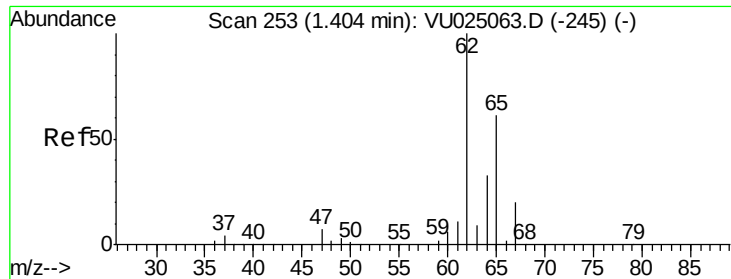
52 32.5 23.1 42.9



Abundance Ion 50.00 (49.70 to 50.70): VU0

Ion 52.00 (51.70 to 52.70): VU0





#5

Vinyl chloride

Concen: 5.129 ug/L

RT: 1.40 min Scan# 253

Delta R.T. -0.00 min

Lab File: VU025061.D

Acq: 29 Jun 2018 10:33

Instrument :

MSVOA_U

ClientSampleId :

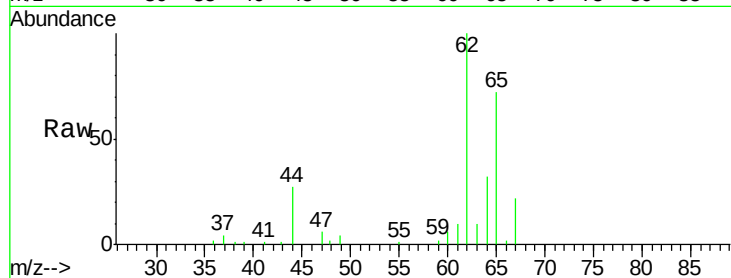
VSTD00540

Tgt Ion: 62 Resp: 14753

Ion Ratio Lower Upper

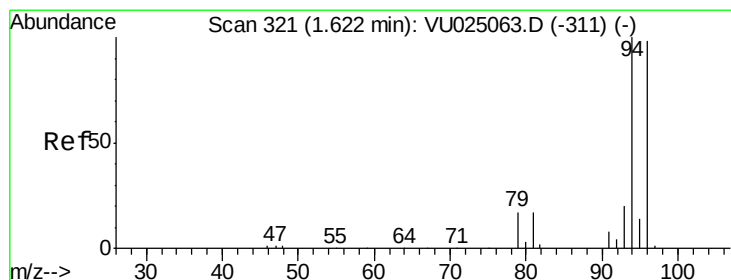
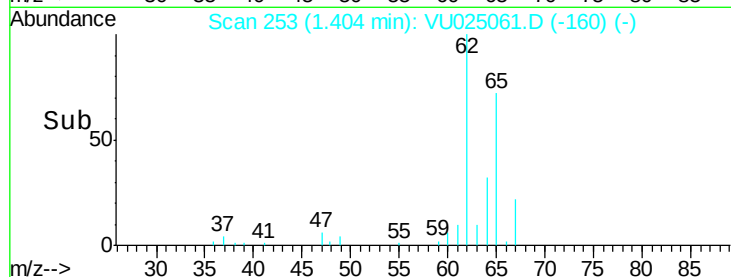
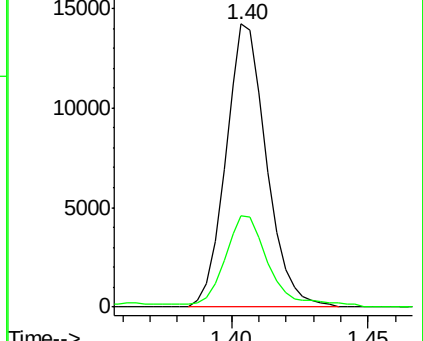
62 100

64 32.4 23.0 42.8



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.00 (63.70 to 64.70): VU0



#6

Bromomethane

Concen: 5.786 ug/L

RT: 1.63 min Scan# 323

Delta R.T. 0.01 min

Lab File: VU025061.D

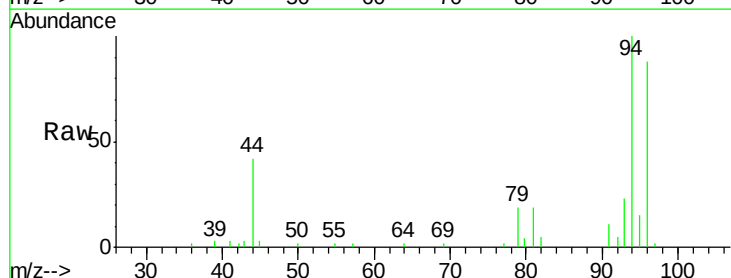
Acq: 29 Jun 2018 10:33

Tgt Ion: 94 Resp: 8108

Ion Ratio Lower Upper

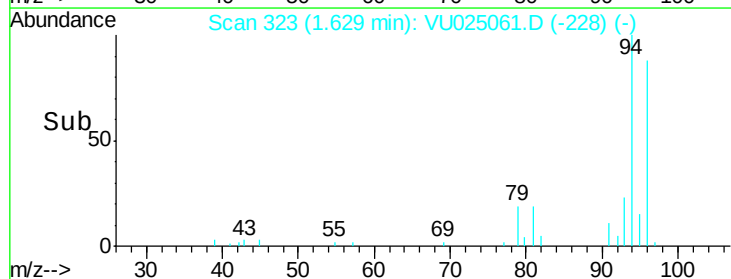
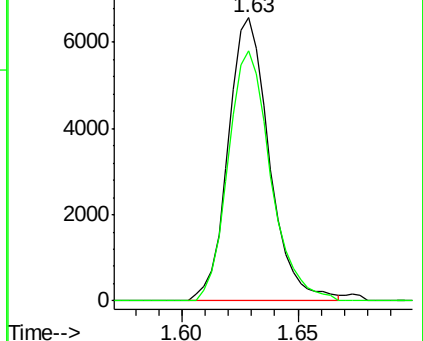
94 100

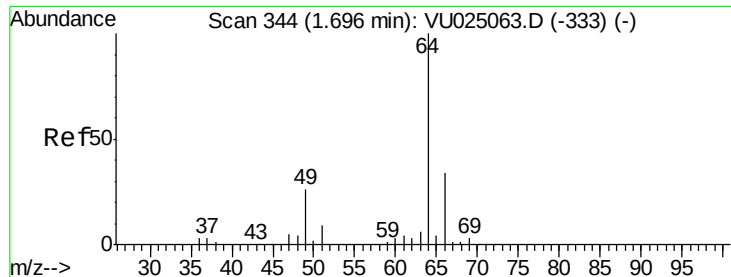
96 88.4 68.4 127.0



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0





#8

Chloroethane

Concen: 5.102 ug/L

RT: 1.70 min Scan# 345

Delta R.T. 0.00 min

Lab File: VU025061.D

Acq: 29 Jun 2018 10:33

Instrument :

MSVOA_U

ClientSampleId :

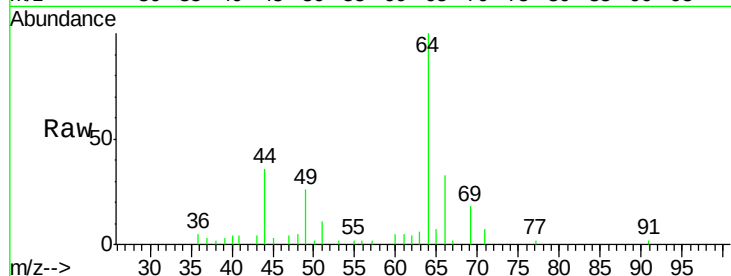
VSTD00540

Tgt Ion: 64 Resp: 8686

Ion Ratio Lower Upper

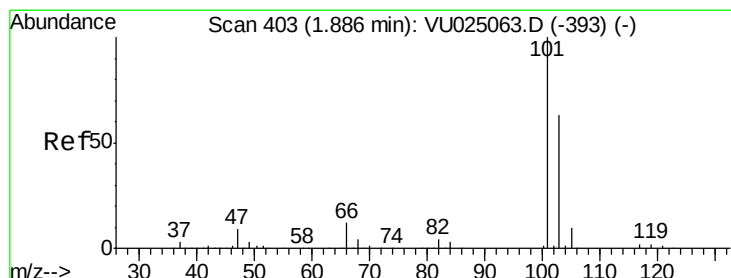
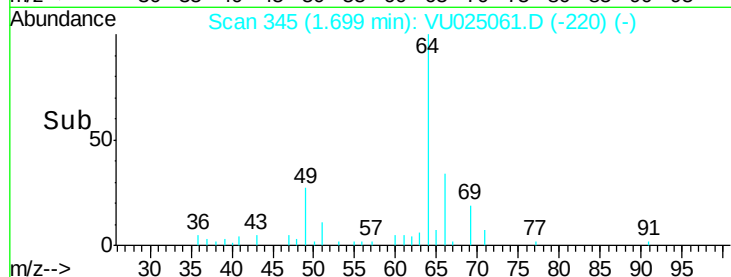
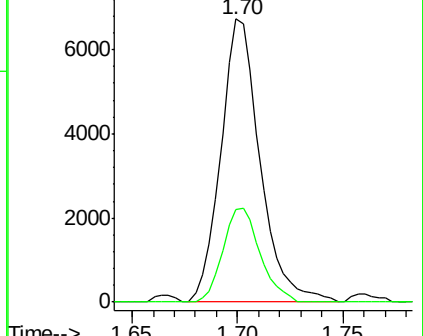
64 100

66 32.6 23.8 44.2



Abundance Ion 64.00 (63.70 to 64.70): VU0

Ion 66.00 (65.70 to 66.70): VU0



#9

Trichlorofluoromethane

Concen: 4.992 ug/L

RT: 1.89 min Scan# 404

Delta R.T. 0.00 min

Lab File: VU025061.D

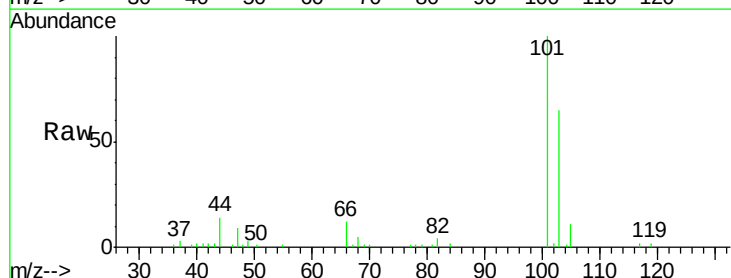
Acq: 29 Jun 2018 10:33

Tgt Ion: 101 Resp: 21166

Ion Ratio Lower Upper

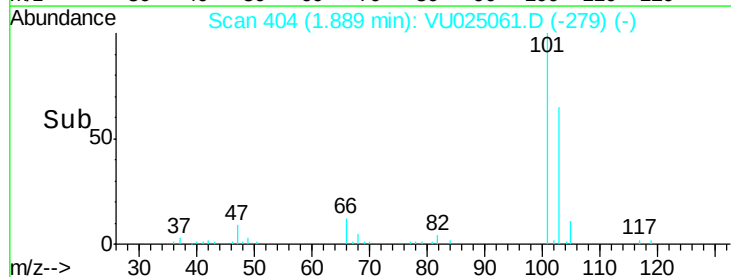
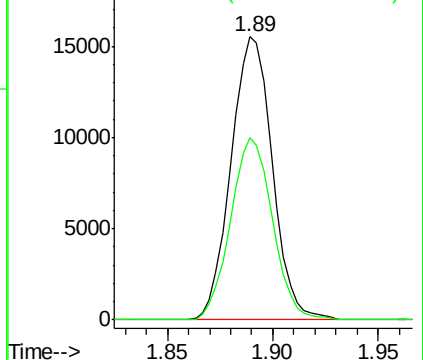
101 100

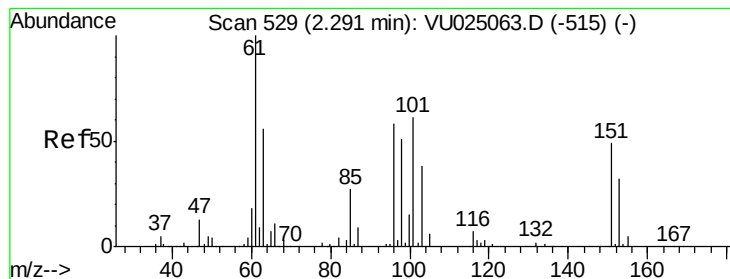
103 65.0 51.1 76.7



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V





#10

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

Concen: 5.171 ug/L

RT: 2.29 min Scan# 529

Delta R.T. -0.00 min

Lab File: VU025061.D

Acq: 29 Jun 2018 10:33

Instrument :

MSVOA_U

ClientSampleId :

VSTD00540

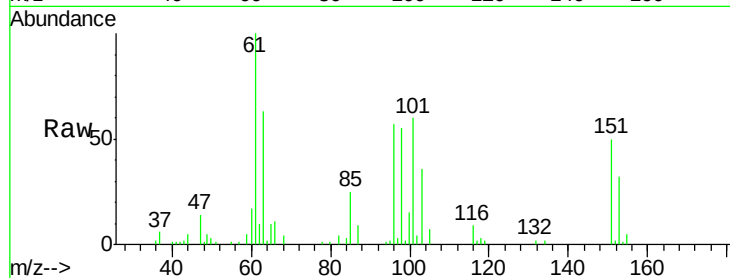
Tgt Ion: 101 Resp: 12471

Ion Ratio Lower Upper

101 100

85 43.5 35.8 53.6

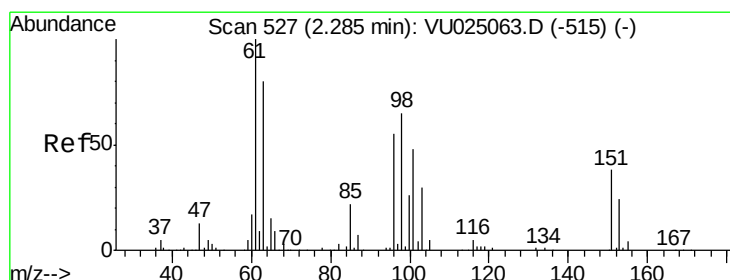
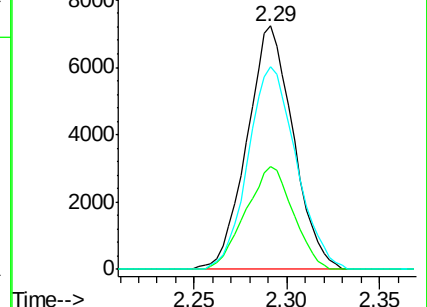
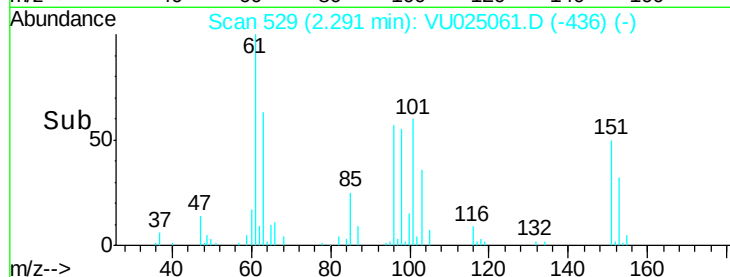
151 86.9 64.6 96.8



Abundance Ion 101.00 (100.70 to 101.70): VU025061.D (-436) (-)

Ion 85.00 (84.70 to 85.70): VU025061.D (-436) (-)

Ion 151.00 (150.70 to 151.70): VU025061.D (-436) (-)



#12

1,1-Dichloroethene

Concen: 5.098 ug/L

RT: 2.29 min Scan# 528

Delta R.T. 0.00 min

Lab File: VU025061.D

Acq: 29 Jun 2018 10:33

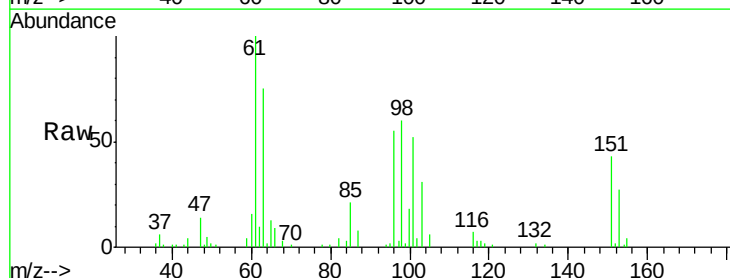
Tgt Ion: 96 Resp: 11271

Ion Ratio Lower Upper

96 100

61 181.0 128.1 237.9

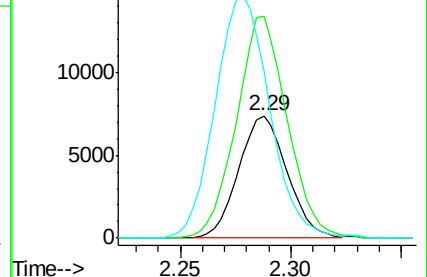
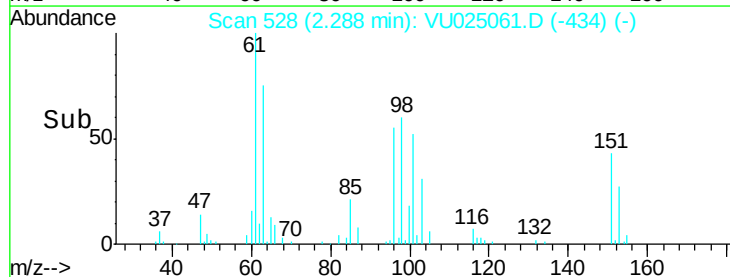
63 136.0 103.6 192.4

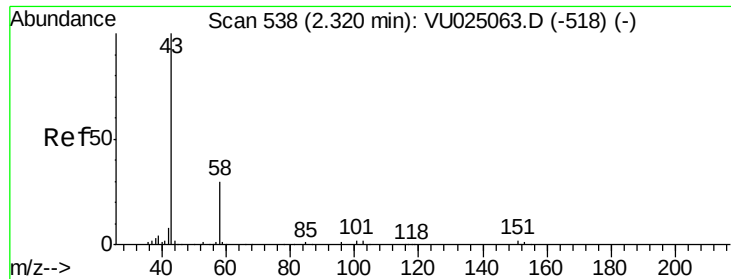


Abundance Ion 96.00 (95.70 to 96.70): VU025061.D (-434) (-)

Ion 61.00 (60.70 to 61.70): VU025061.D (-434) (-)

Ion 63.00 (62.70 to 63.70): VU025061.D (-434) (-)





#13

Acetone

Concen: 11.103 ug/L

RT: 2.32 min Scan# 538

Delta R.T. -0.00 min

Lab File: VU025061.D

Acq: 29 Jun 2018 10:33

Instrument :

MSVOA_U

ClientSampled :

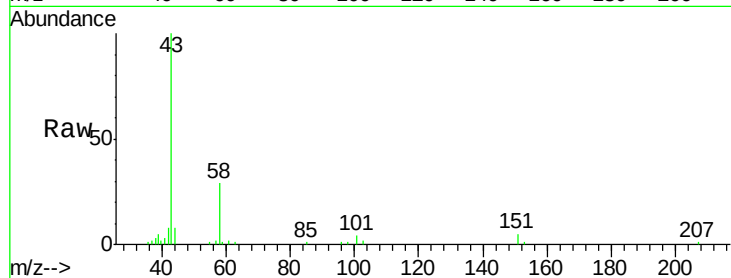
VSTD00540

Tgt Ion: 43 Resp: 21318

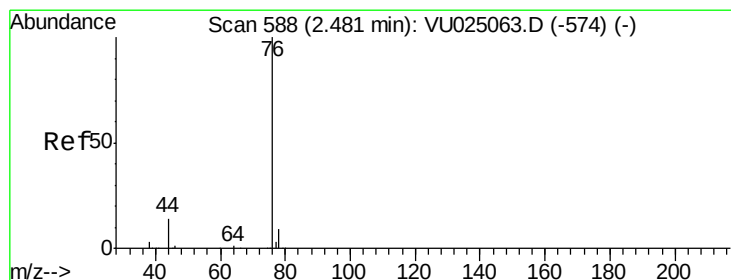
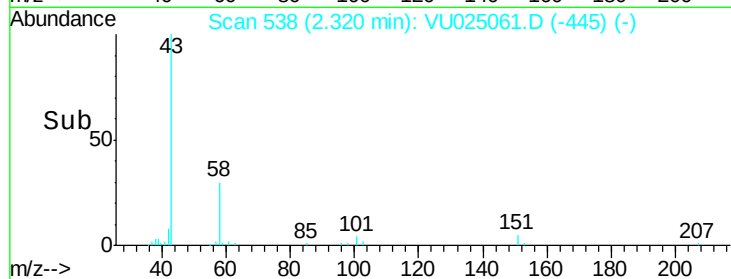
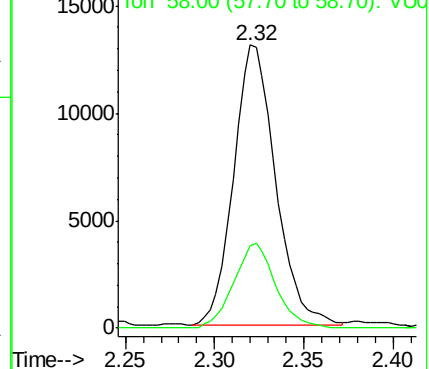
Ion Ratio Lower Upper

43 100

58 30.3 0.0 59.4



Abundance Ion 43.00 (42.70 to 43.70): VU025061.D (-445) (-)



#14

Carbon disulfide

Concen: 4.681 ug/L

RT: 2.48 min Scan# 588

Delta R.T. -0.00 min

Lab File: VU025061.D

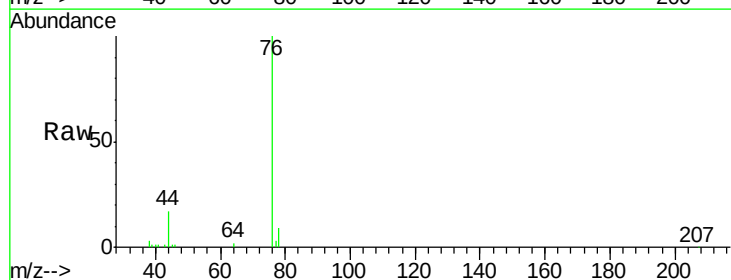
Acq: 29 Jun 2018 10:33

Tgt Ion: 76 Resp: 33271

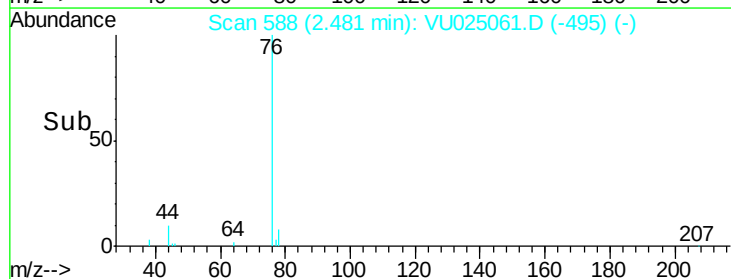
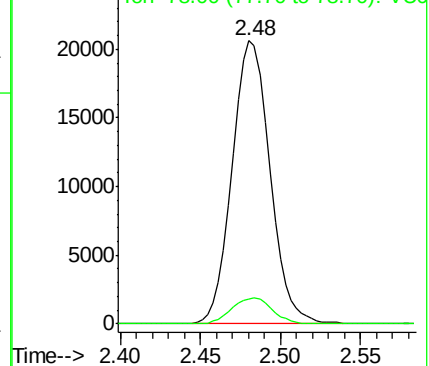
Ion Ratio Lower Upper

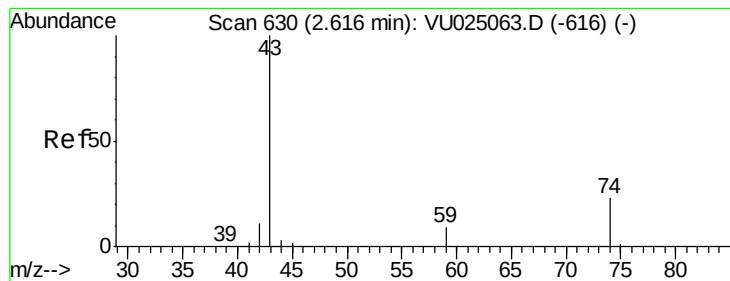
76 100

78 9.0 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VU025061.D (-495) (-)





#15

Methyl Acetate

Concen: 5.080 ug/L

RT: 2.62 min Scan# 630

Delta R.T. -0.00 min

Lab File: VU025061.D

Acq: 29 Jun 2018 10:33

Instrument :

MSVOA_U

ClientSampleId :

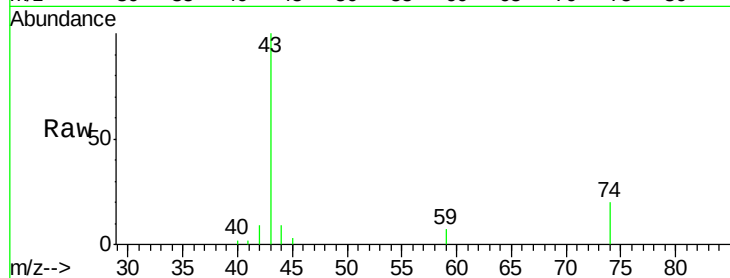
VSTD00540

Tgt Ion: 43 Resp: 14858

Ion Ratio Lower Upper

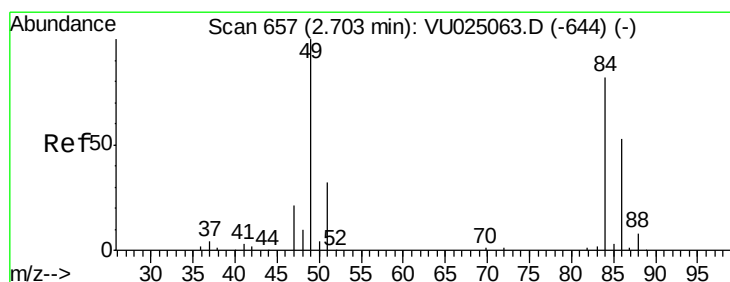
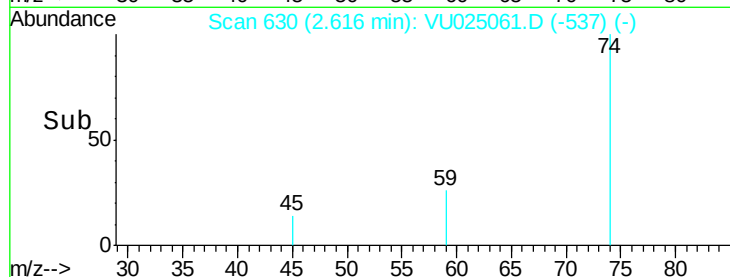
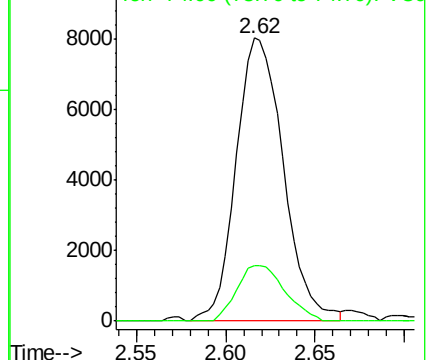
43 100

74 19.9 18.6 28.0



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 74.00 (73.70 to 74.70): VU0



#16

Methylene chloride

Concen: 5.018 ug/L

RT: 2.71 min Scan# 658

Delta R.T. 0.00 min

Lab File: VU025061.D

Acq: 29 Jun 2018 10:33

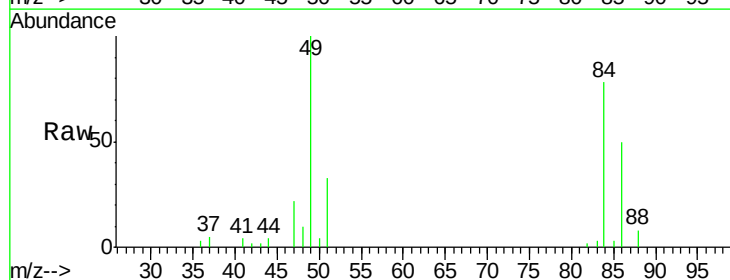
Tgt Ion: 84 Resp: 13550

Ion Ratio Lower Upper

84 100

86 64.3 44.9 83.5

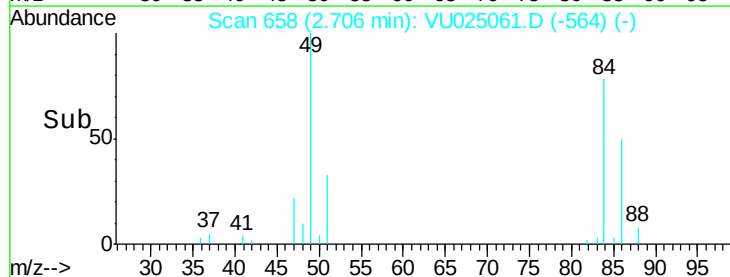
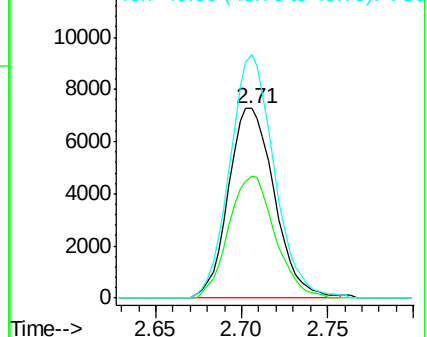
49 128.4 85.6 159.0

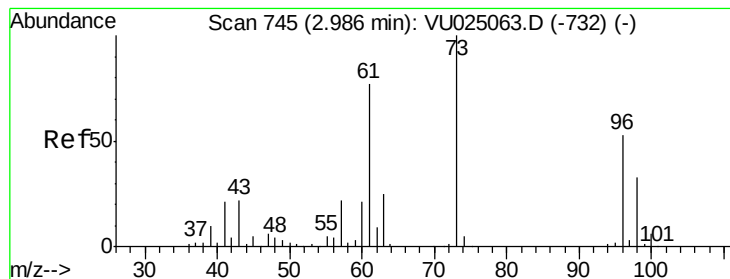


Abundance Ion 84.00 (83.70 to 84.70): VU0

Ion 86.00 (85.70 to 86.70): VU0

Ion 49.00 (48.70 to 49.70): VU0





#17

trans-1,2-Dichloroethene

Concen: 5.049 ug/L

RT: 2.99 min Scan# 746

Delta R.T. 0.00 min

Lab File: VU025061.D

Acq: 29 Jun 2018 10:33

Instrument :

MSVOA_U

ClientSampleId :

VSTD00540

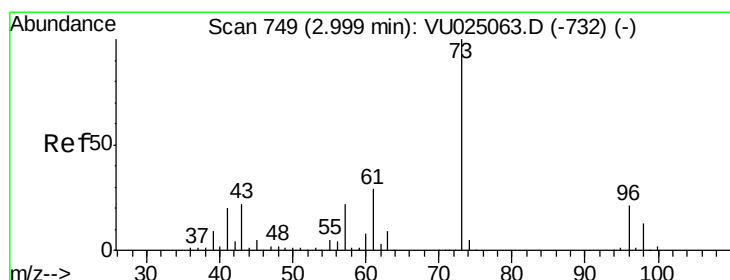
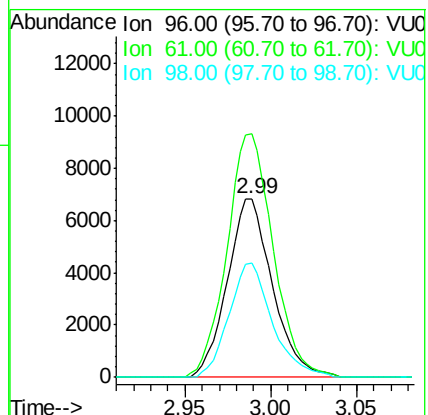
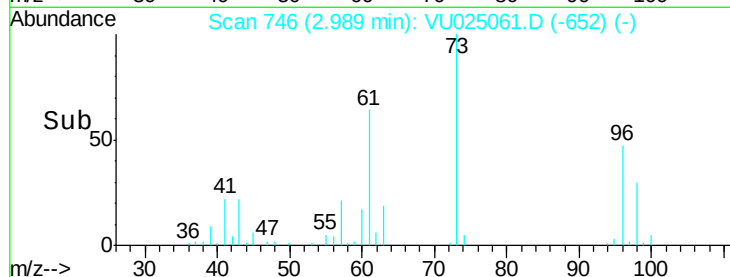
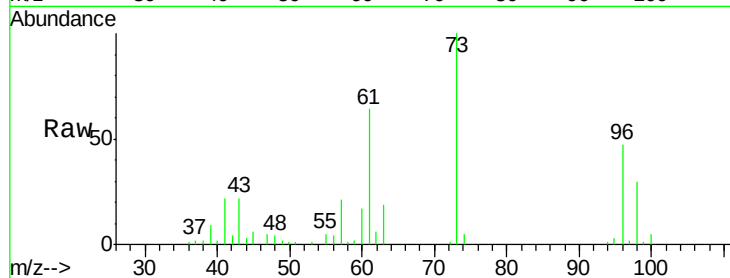
Tgt Ion: 96 Resp: 12506

Ion Ratio Lower Upper

96 100

61 136.1 102.7 190.7

98 64.1 44.4 82.5



#18

Methyl tert-butyl Ether

Concen: 5.176 ug/L

RT: 3.00 min Scan# 749

Delta R.T. -0.00 min

Lab File: VU025061.D

Acq: 29 Jun 2018 10:33

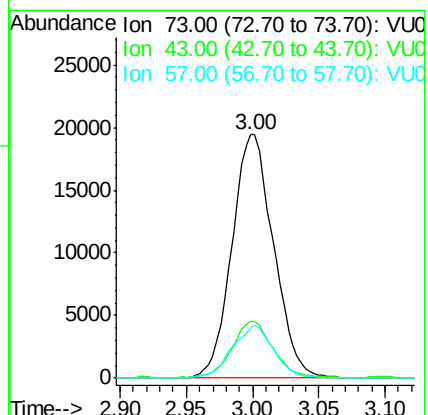
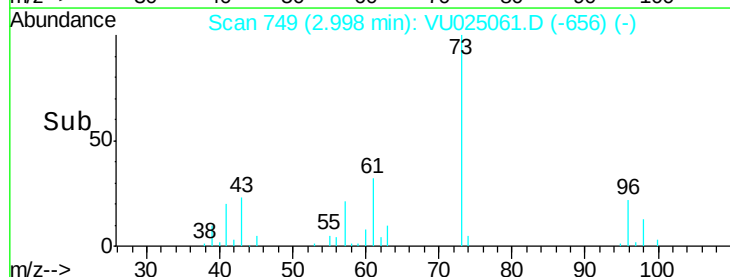
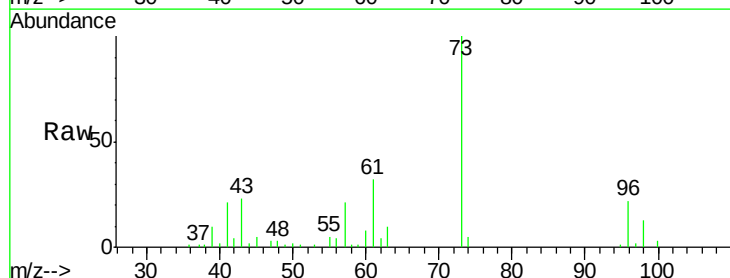
Tgt Ion: 73 Resp: 42435

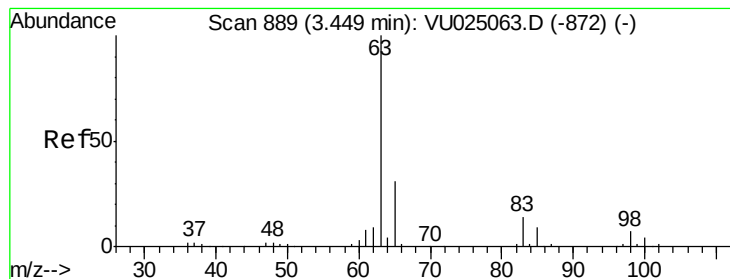
Ion Ratio Lower Upper

73 100

43 23.1 17.2 25.8

57 21.5 17.2 25.8





#19

1,1-Dichloroethane

Concen: 5.105 ug/L

RT: 3.45 min Scan# 890

Delta R.T. 0.00 min

Lab File: VU025061.D

Acq: 29 Jun 2018 10:33

Instrument :

MSVOA_U

ClientSampleId :

VSTD00540

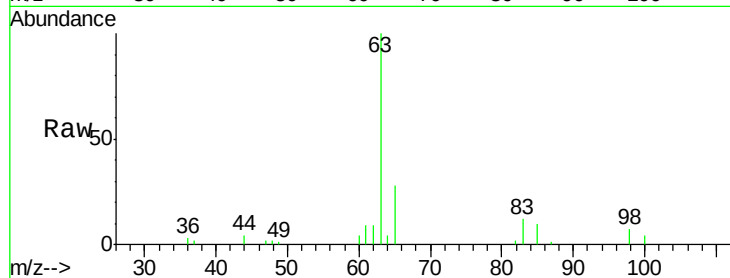
Tgt Ion: 63 Resp: 23522

Ion Ratio Lower Upper

63 100

65 28.2 21.9 40.7

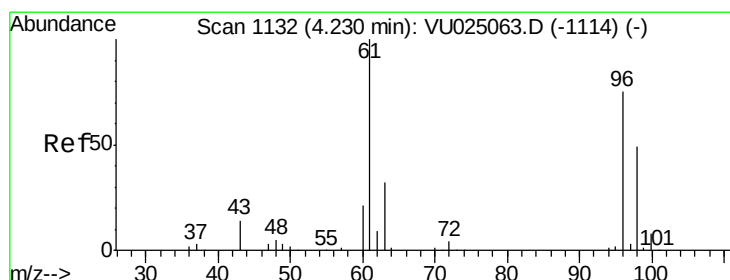
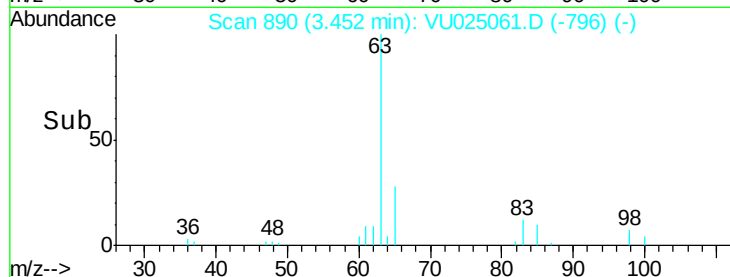
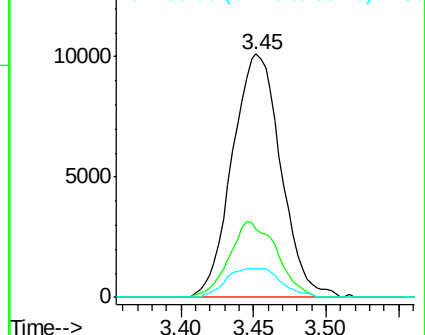
83 12.0 9.7 18.1



Abundance Ion 63.00 (62.70 to 63.70): VU0

Ion 65.00 (64.70 to 65.70): VU0

Ion 83.00 (82.70 to 83.70): VU0



#20

cis-1,2-Dichloroethene

Concen: 5.058 ug/L

RT: 4.23 min Scan# 1132

Delta R.T. -0.00 min

Lab File: VU025061.D

Acq: 29 Jun 2018 10:33

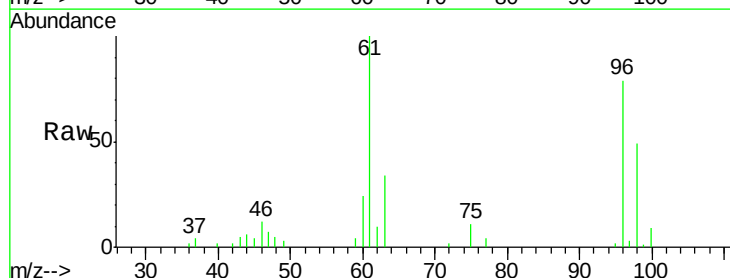
Tgt Ion: 96 Resp: 14623

Ion Ratio Lower Upper

96 100

61 126.5 93.4 173.6

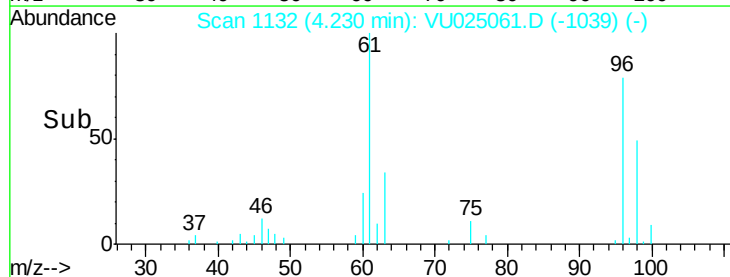
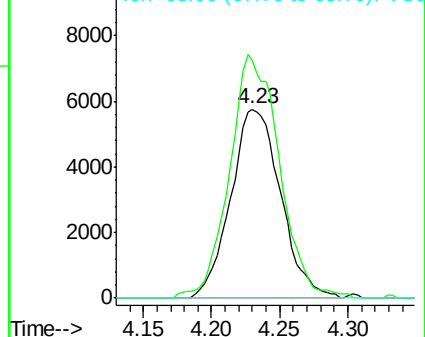
68 0.0 0.0 0.0

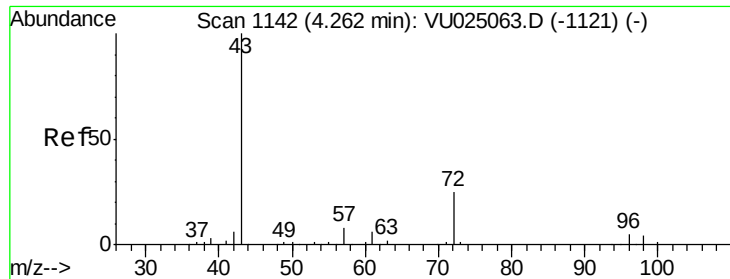


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 68.00 (67.70 to 68.70): VU0





#22

2-Butanone

Concen: 9.078 ug/L

RT: 4.27 min Scan# 1145

Delta R.T. 0.01 min

Lab File: VU025061.D

Acq: 29 Jun 2018 10:33

Instrument :

MSVOA_U

ClientSampleId :

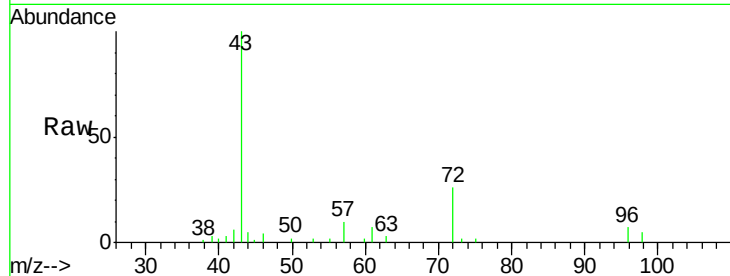
VSTD00540

Tgt Ion: 43 Resp: 21940

Ion Ratio Lower Upper

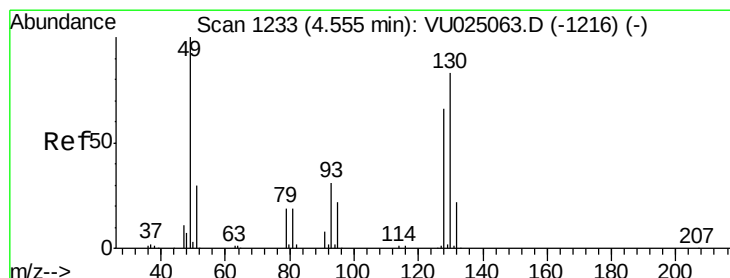
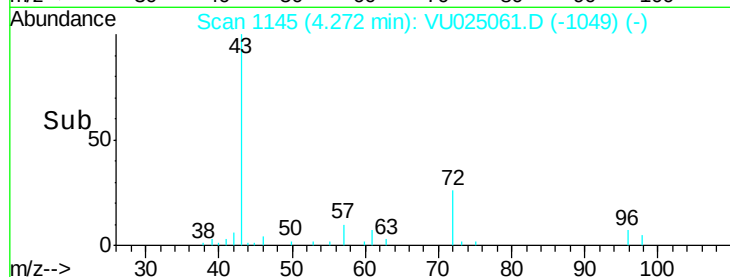
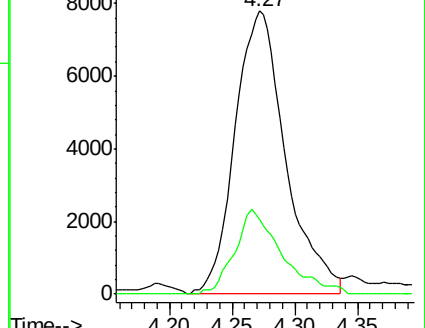
43 100

72 25.3 13.7 41.0



Abundance Ion 43.00 (42.70 to 43.70): VU025061.D (-1145) (-)

Ion 72.00 (71.70 to 72.70): VU025061.D (-1145) (-)



#23

Bromochloromethane

Concen: 2.869 ug/L

RT: 4.55 min Scan# 1232

Delta R.T. -0.00 min

Lab File: VU025061.D

Acq: 29 Jun 2018 10:33

Tgt Ion: 128 Resp: 4167

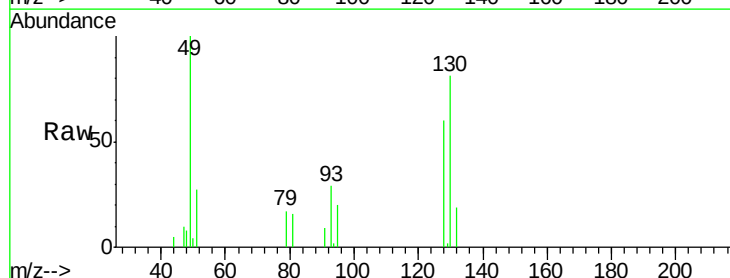
Ion Ratio Lower Upper

128 100

49 167.8 106.1 197.1

130 135.7 87.7 162.9

51 45.1 36.8 55.2

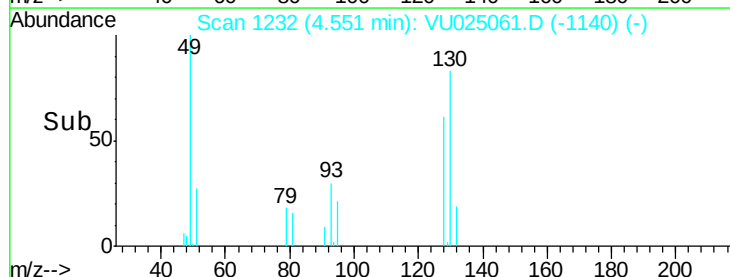
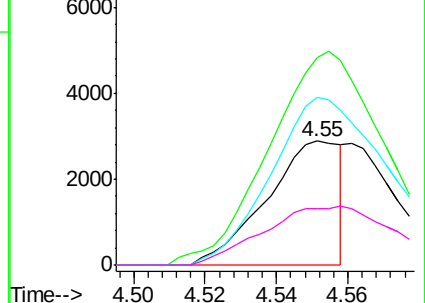


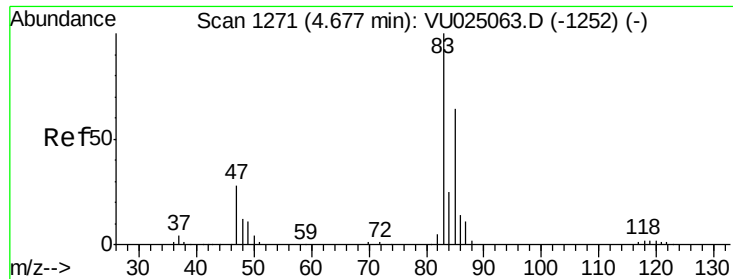
Abundance Ion 128.00 (127.70 to 128.70): VU025061.D (-1232) (-)

Ion 49.00 (48.70 to 49.70): VU025061.D (-1232) (-)

Ion 130.00 (129.70 to 130.70): VU025061.D (-1232) (-)

Ion 51.00 (50.70 to 51.70): VU025061.D (-1232) (-)

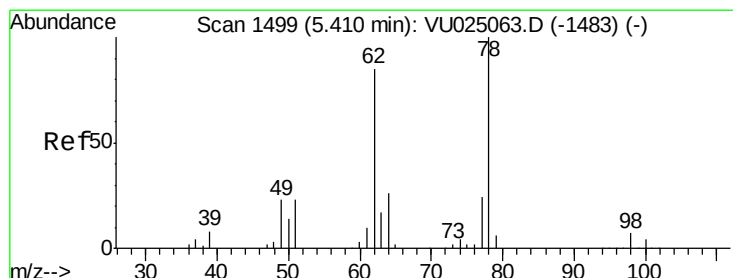
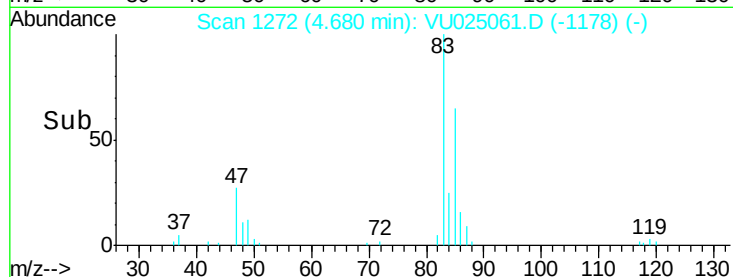
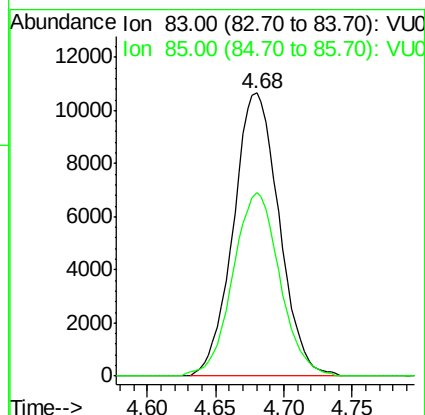
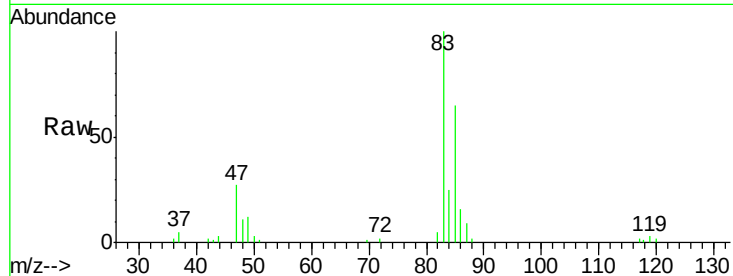




#25
Chloroform
Concen: 5.192 ug/L
RT: 4.68 min Scan# 1272
Delta R.T. 0.00 min
Lab File: VU025061.D
Acq: 29 Jun 2018 10:33

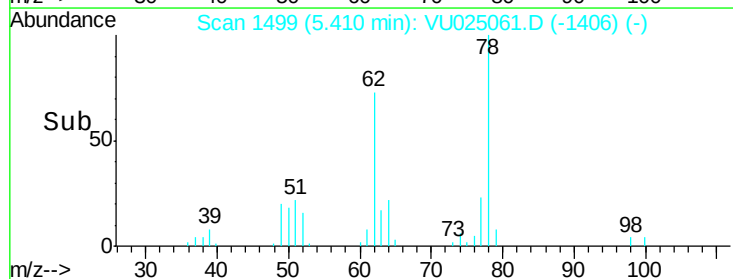
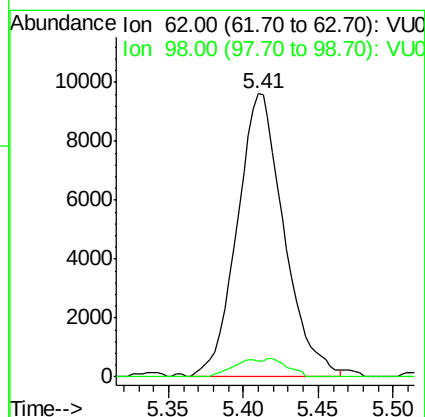
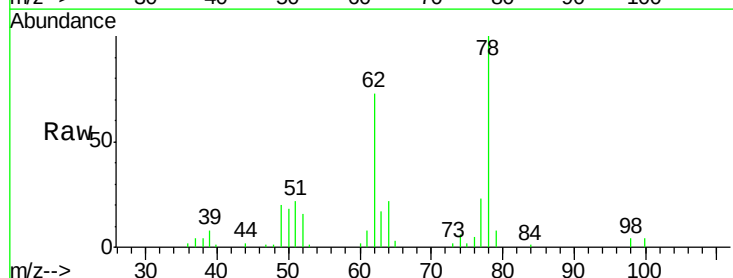
Instrument :
MSVOA_U
ClientSampleId :
VSTD00540

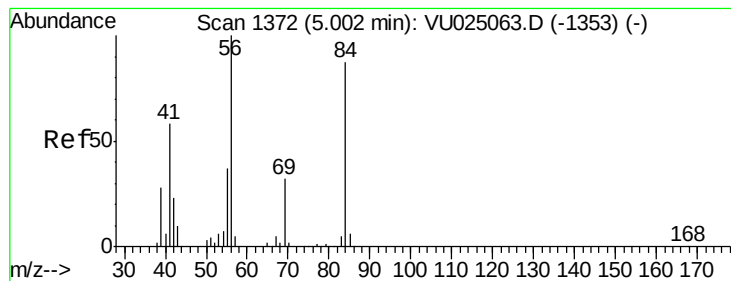
Tgt Ion: 83 Resp: 24876
Ion Ratio Lower Upper
83 100
85 65.0 44.7 83.1



#27
1,2-Dichloroethane
Concen: 5.595 ug/L
RT: 5.41 min Scan# 1499
Delta R.T. -0.00 min
Lab File: VU025061.D
Acq: 29 Jun 2018 10:33

Tgt Ion: 62 Resp: 20964
Ion Ratio Lower Upper
62 100
98 5.5 6.4 9.6#





#29

Cyclohexane

Concen: 5.345 ug/L

RT: 5.00 min Scan# 1373

Delta R.T. 0.00 min

Lab File: VU025061.D

Acq: 29 Jun 2018 10:33

Instrument :

MSVOA_U

ClientSampleId :

VSTD00540

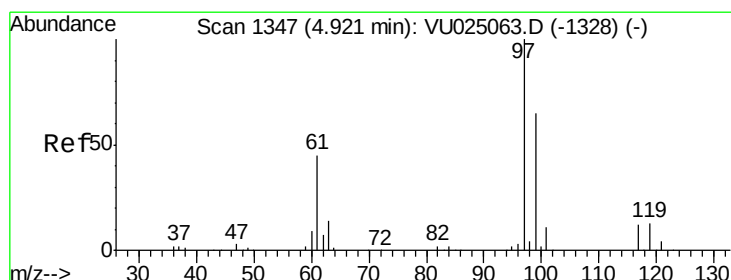
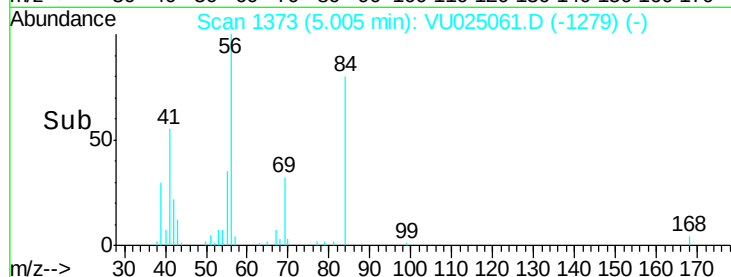
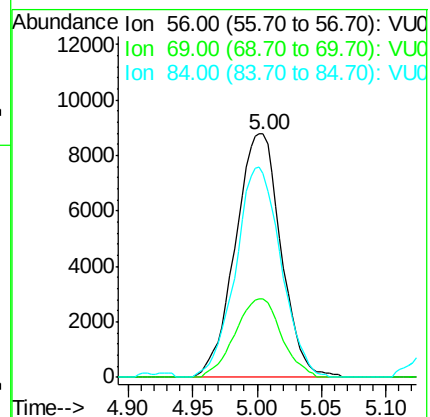
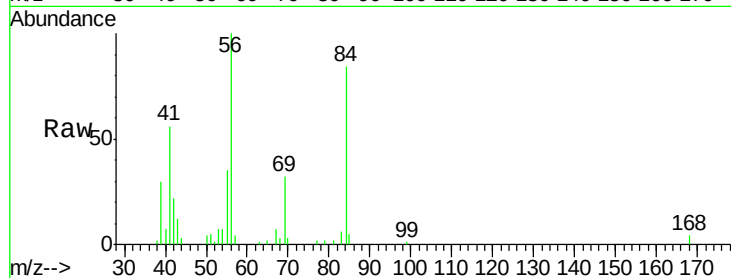
Tgt Ion: 56 Resp: 21571

Ion Ratio Lower Upper

56 100

69 32.8 25.0 37.6

84 86.1 70.0 105.0



#30

1,1,1-Trichloroethane

Concen: 5.540 ug/L

RT: 4.92 min Scan# 1346

Delta R.T. -0.00 min

Lab File: VU025061.D

Acq: 29 Jun 2018 10:33

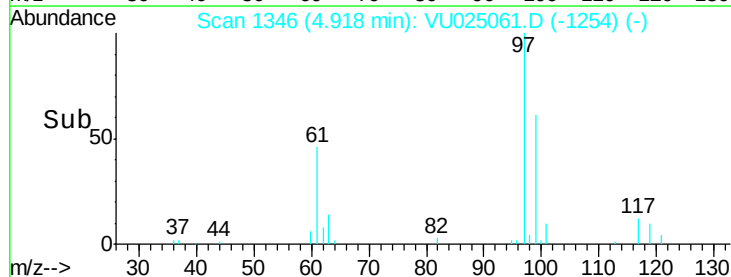
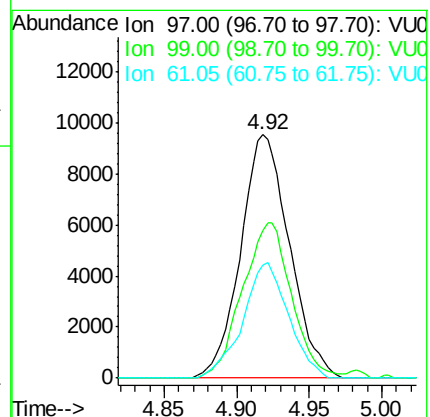
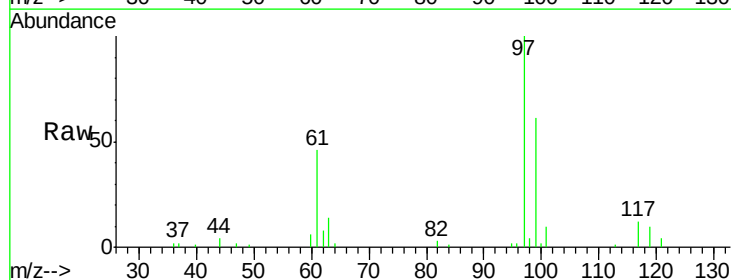
Tgt Ion: 97 Resp: 22259

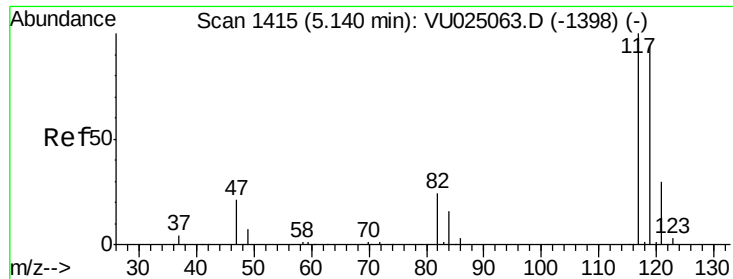
Ion Ratio Lower Upper

97 100

99 64.3 51.4 77.2

61 44.4 35.5 53.3





#31

Carbon tetrachloride

Concen: 4.980 ug/L

RT: 5.14 min Scan# 1415

Delta R.T. -0.00 min

Lab File: VU025061.D

Acq: 29 Jun 2018 10:33

Instrument :

MSVOA_U

ClientSampleId :

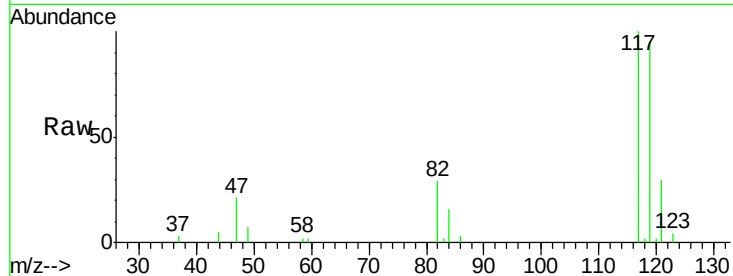
VSTD00540

Tgt Ion:117 Resp: 18190

Ion Ratio Lower Upper

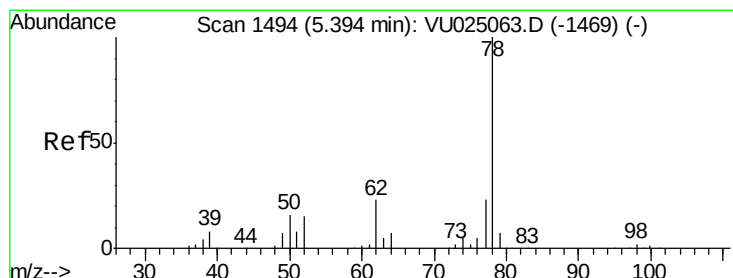
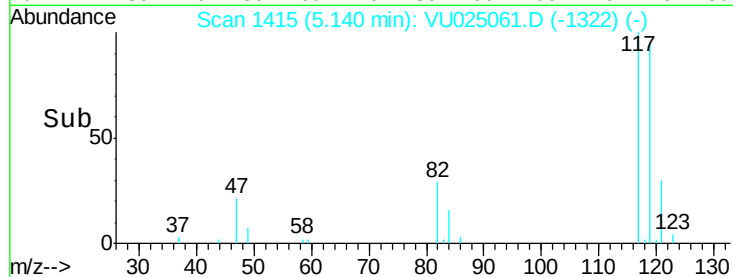
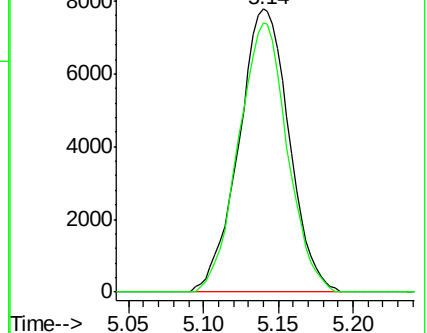
117 100

119 92.1 76.8 115.2



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 5.250 ug/L

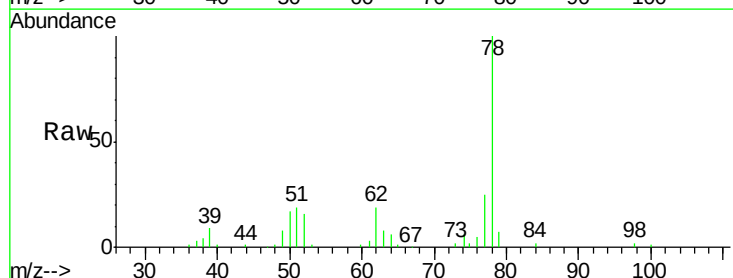
RT: 5.39 min Scan# 1494

Delta R.T. -0.00 min

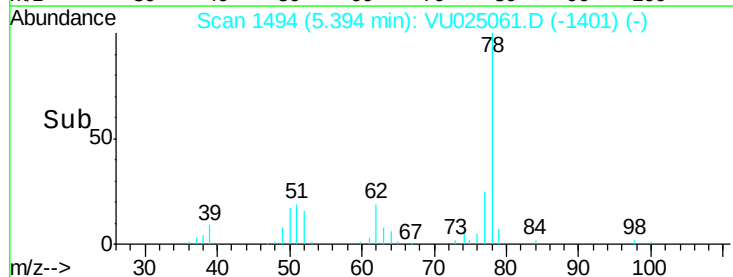
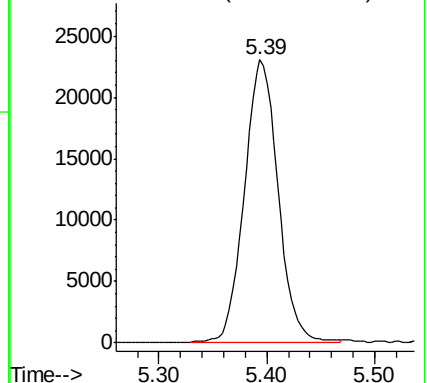
Lab File: VU025061.D

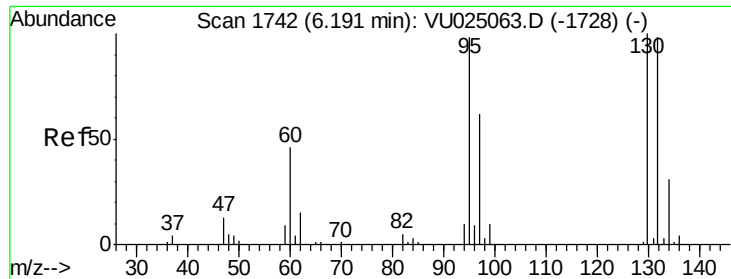
Acq: 29 Jun 2018 10:33

Tgt Ion: 78 Resp: 50331



Abundance Ion 78.00 (77.70 to 78.70): VU0

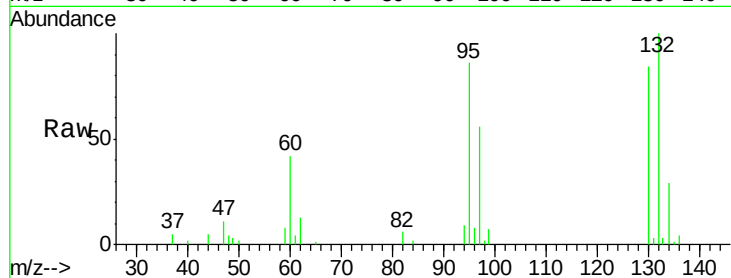




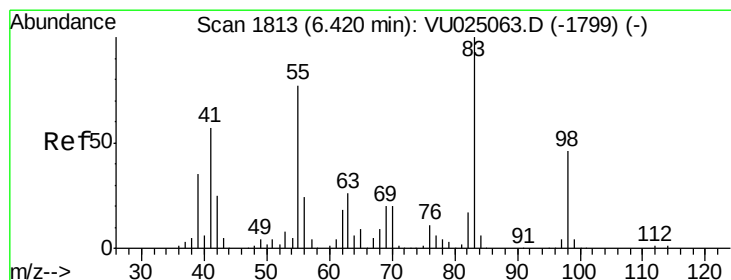
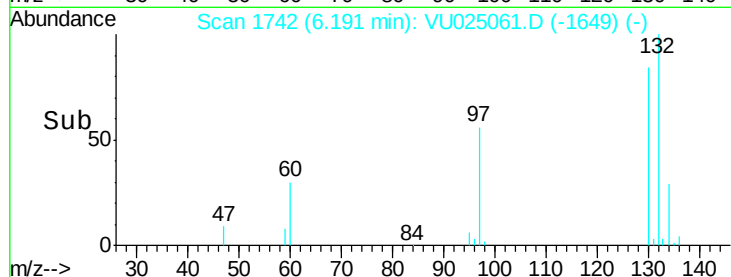
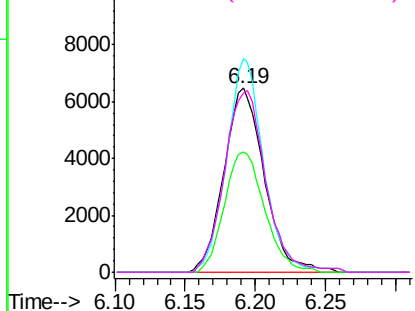
#34
 Trichloroethene
 Concen: 4.928 ug/L
 RT: 6.19 min Scan# 1742
 Delta R.T. -0.00 min
 Lab File: VU025061.D
 Acq: 29 Jun 2018 10:33

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00540

Tgt Ion: 95 Resp: 12993
 Ion Ratio Lower Upper
 95 100
 97 65.2 44.1 81.9
 132 116.0 70.2 130.4
 130 97.6 71.7 133.1

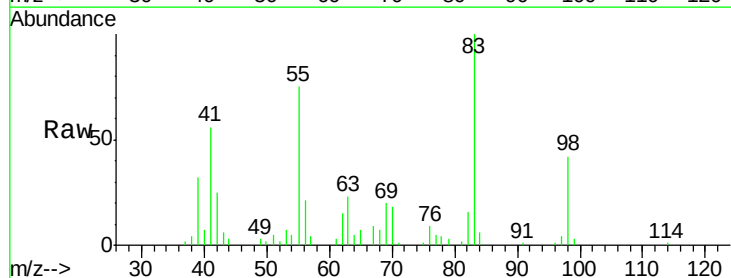


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 97.00 (96.70 to 97.70): VU0
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

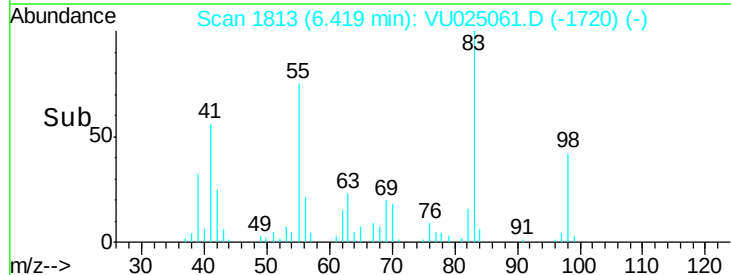
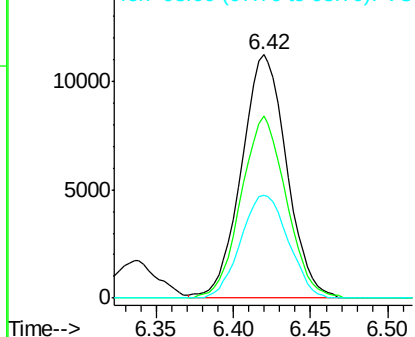


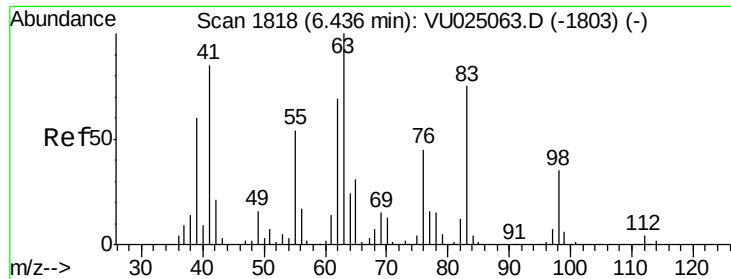
#35
 Methylcyclohexane
 Concen: 5.394 ug/L
 RT: 6.42 min Scan# 1813
 Delta R.T. -0.00 min
 Lab File: VU025061.D
 Acq: 29 Jun 2018 10:33

Tgt Ion: 83 Resp: 22894
 Ion Ratio Lower Upper
 83 100
 55 74.5 61.8 92.6
 98 44.1 37.4 56.0



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

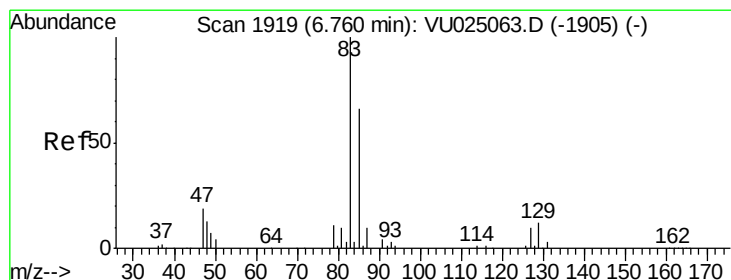
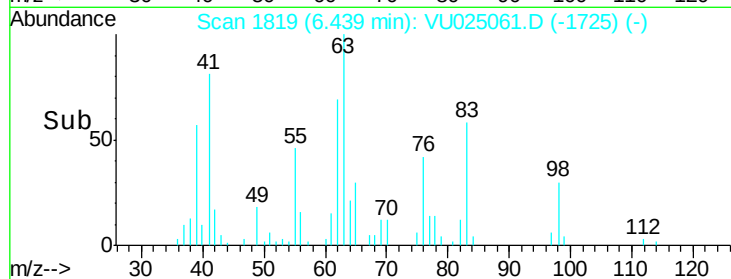
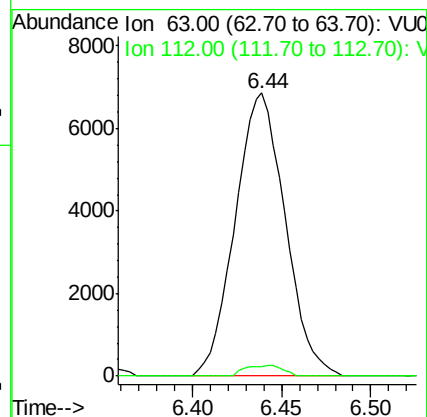
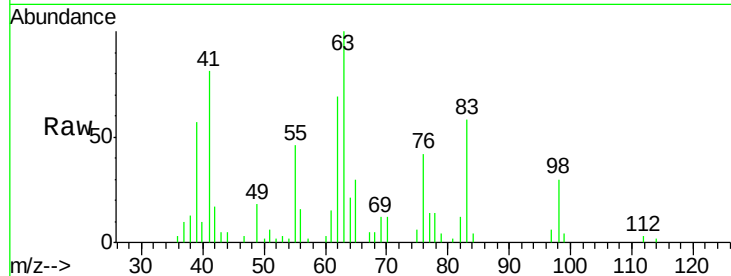




#37
 1,2-Dichloropropane
 Concen: 5.047 ug/L
 RT: 6.44 min Scan# 1819
 Delta R.T. 0.00 min
 Lab File: VU025061.D
 Acq: 29 Jun 2018 10:33

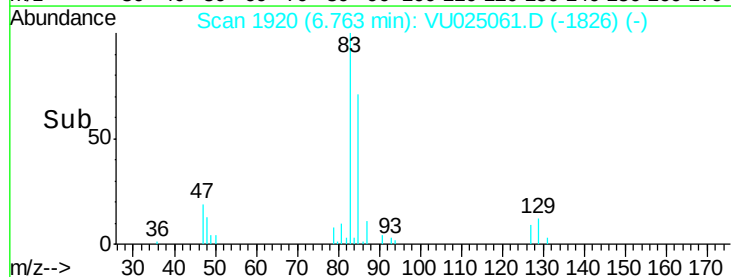
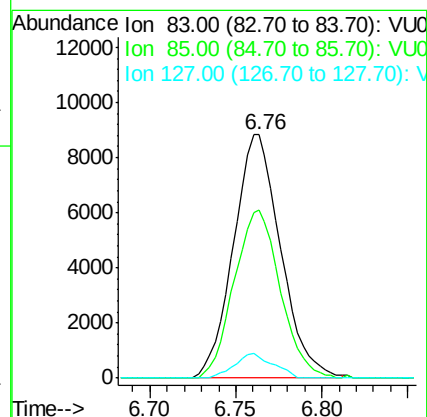
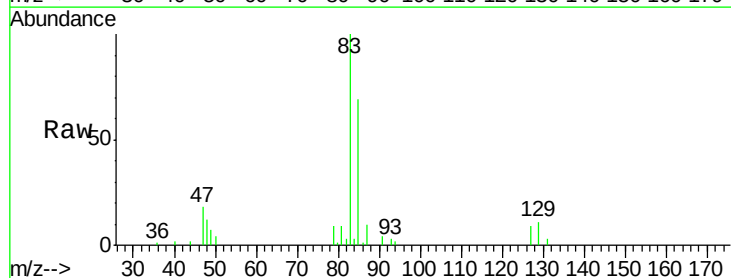
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00540

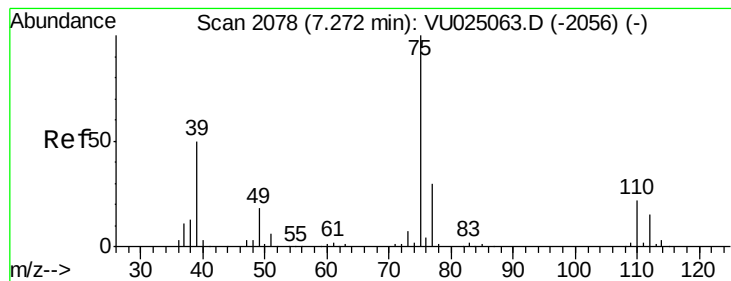
Tgt Ion: 63 Resp: 13397
 Ion Ratio Lower Upper
 63 100
 112 1.5 3.2 4.8#



#38
 Bromodichloromethane
 Concen: 4.806 ug/L
 RT: 6.76 min Scan# 1920
 Delta R.T. 0.00 min
 Lab File: VU025061.D
 Acq: 29 Jun 2018 10:33

Tgt Ion: 83 Resp: 16821
 Ion Ratio Lower Upper
 83 100
 85 68.8 45.9 85.3
 127 8.7 7.7 11.5





#39

cis-1,3-Dichloropropene

Concen: 4.743 ug/L

RT: 7.27 min Scan# 2079

Delta R.T. 0.00 min

Lab File: VU025061.D

Acq: 29 Jun 2018 10:33

Instrument :

MSVOA_U

ClientSampleId :

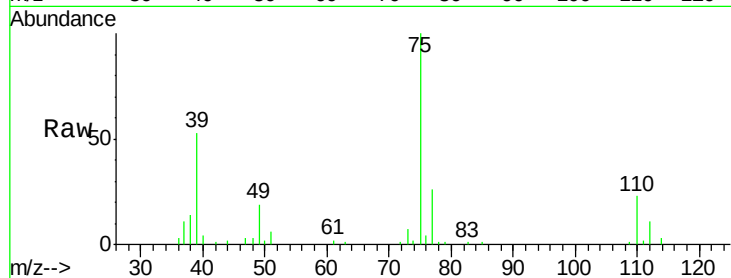
VSTD00540

Tgt Ion: 75 Resp: 19898

Ion Ratio Lower Upper

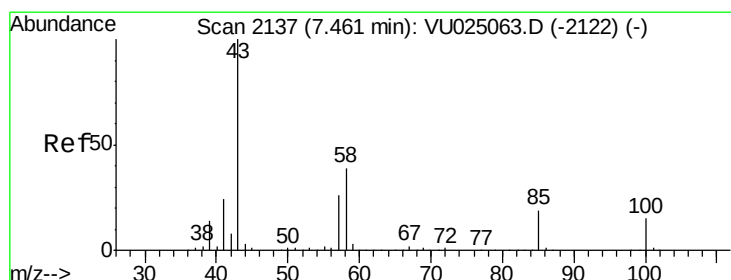
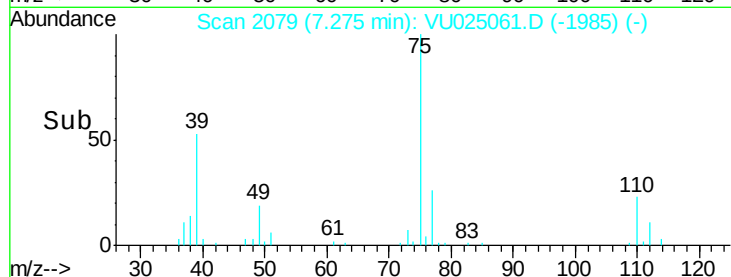
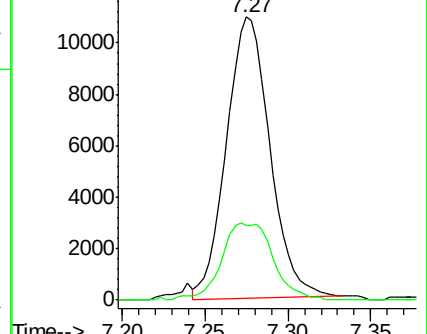
75 100

77 26.4 21.3 39.5



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0



#40

4-Methyl-2-pentanone

Concen: 9.363 ug/L

RT: 7.46 min Scan# 2138

Delta R.T. 0.00 min

Lab File: VU025061.D

Acq: 29 Jun 2018 10:33

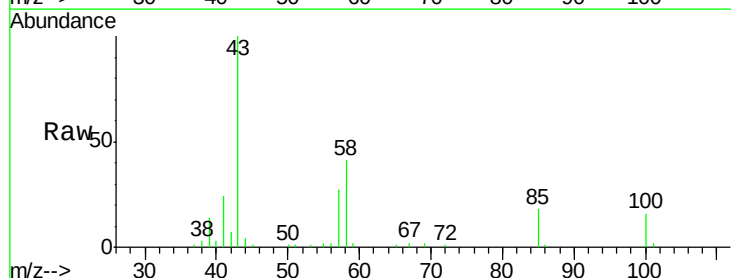
Tgt Ion: 43 Resp: 36759

Ion Ratio Lower Upper

43 100

58 39.5 31.0 46.6

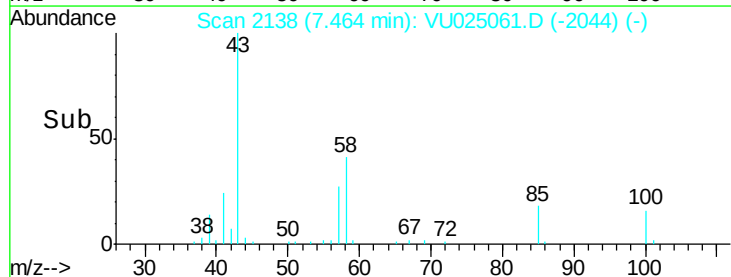
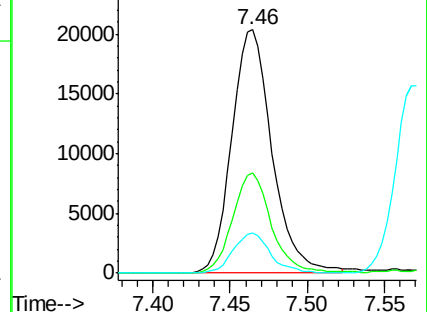
100 15.1 12.3 18.5

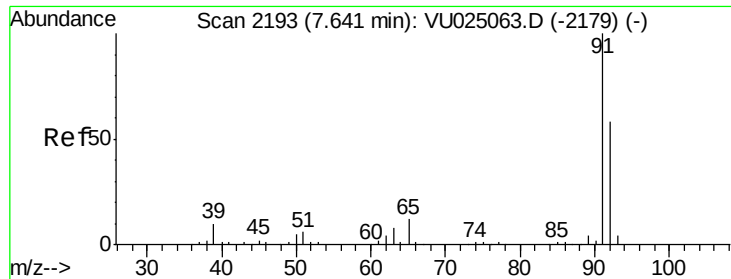


Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

Ion 100.00 (99.70 to 100.70): VU0





#42

Toluene

Concen: 4.959 ug/L

RT: 7.64 min Scan# 2193

Delta R.T. -0.00 min

Lab File: VU025061.D

Acq: 29 Jun 2018 10:33

Instrument :

MSVOA_U

ClientSampleId :

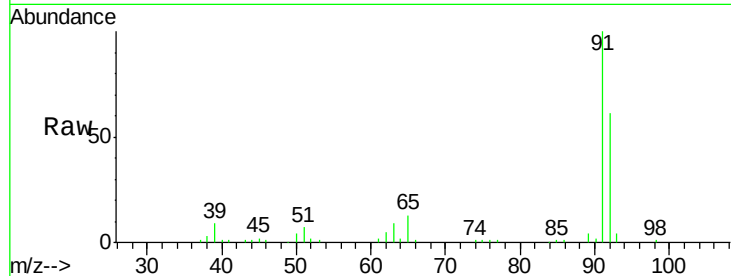
VSTD00540

Tgt Ion: 91 Resp: 52789

Ion Ratio Lower Upper

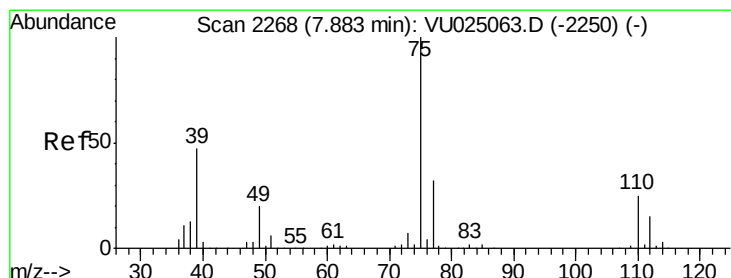
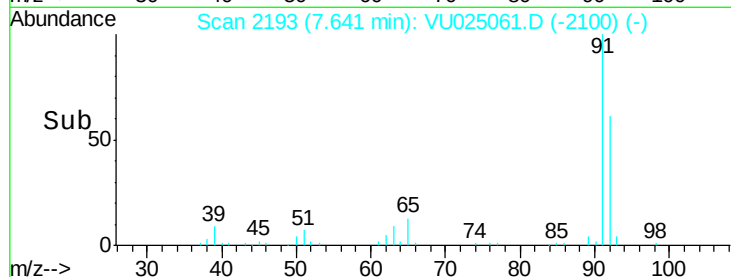
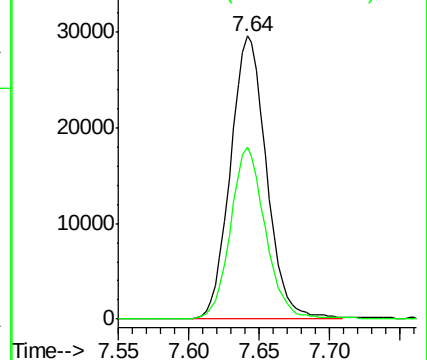
91 100

92 60.7 40.7 75.5



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 92.00 (91.70 to 92.70): VU0



#44

trans-1,3-Dichloropropene

Concen: 4.927 ug/L

RT: 7.89 min Scan# 2269

Delta R.T. 0.00 min

Lab File: VU025061.D

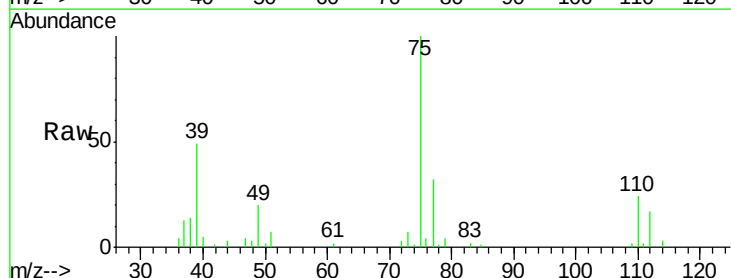
Acq: 29 Jun 2018 10:33

Tgt Ion: 75 Resp: 18773

Ion Ratio Lower Upper

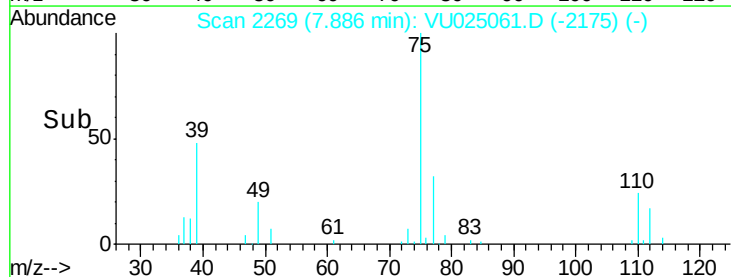
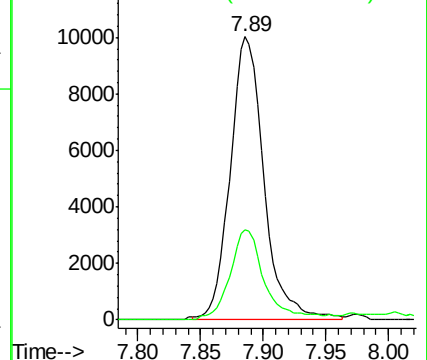
75 100

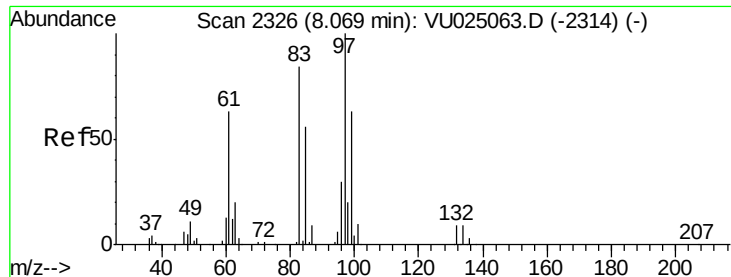
77 32.0 22.1 41.1



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

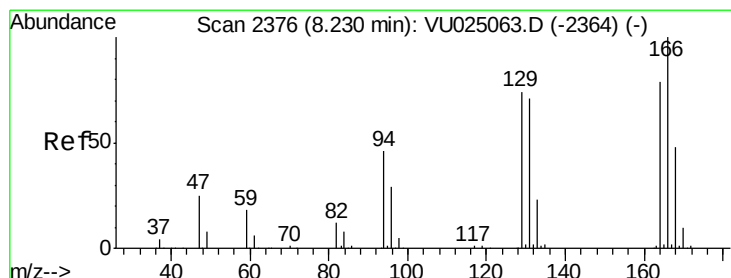
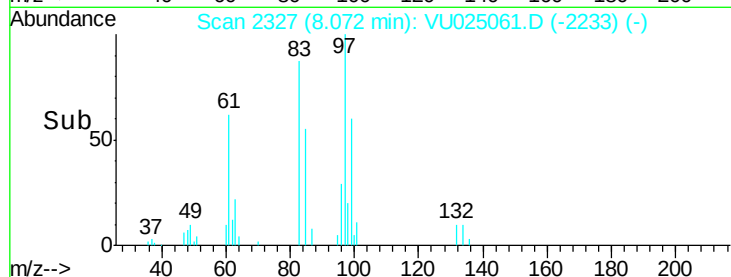
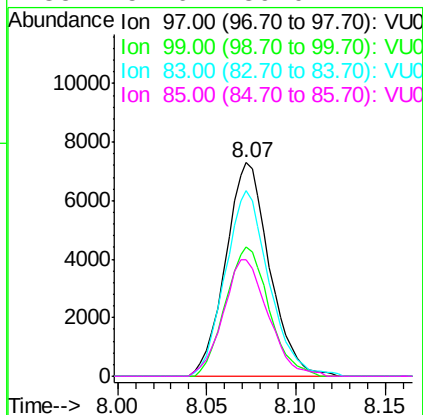
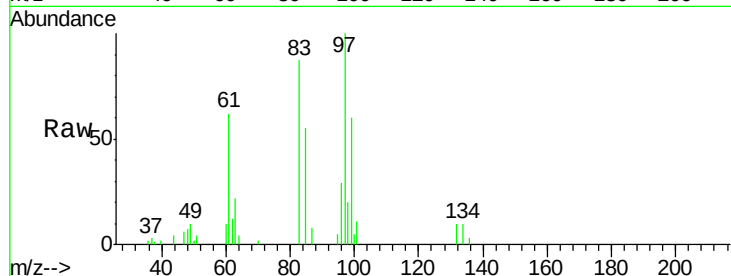




#45
 1,1,2-Trichloroethane
 Concen: 4.960 ug/L
 RT: 8.07 min Scan# 2327
 Delta R.T. 0.00 min
 Lab File: VU025061.D
 Acq: 29 Jun 2018 10:33

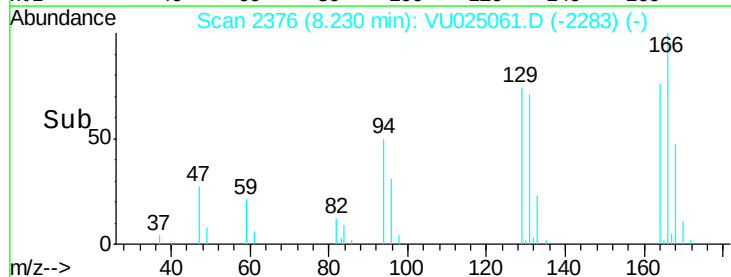
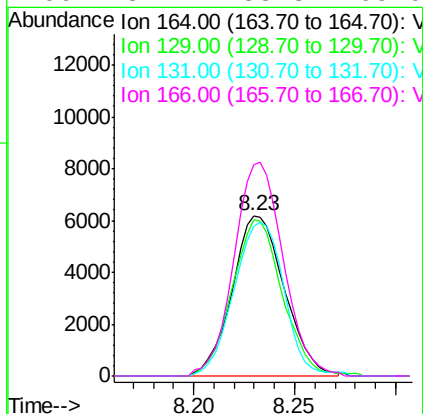
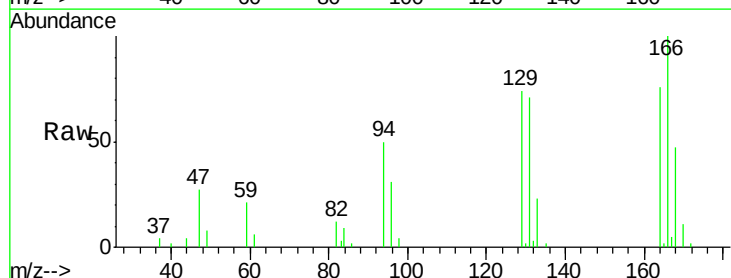
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00540

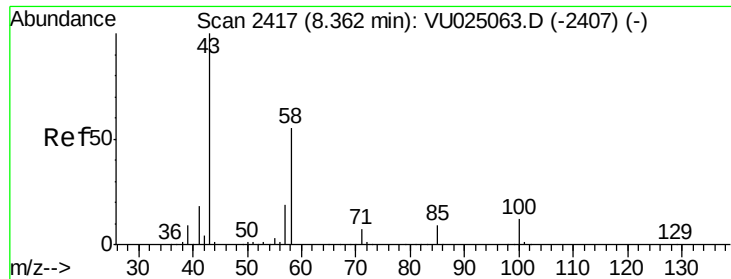
Tgt Ion:	97	Resp:	12428
Ion	Ratio	Lower	Upper
97	100		
99	60.5	44.1	81.9
83	86.6	58.7	108.9
85	54.6	39.0	72.4



#46
 Tetrachloroethene
 Concen: 5.040 ug/L
 RT: 8.23 min Scan# 2376
 Delta R.T. -0.00 min
 Lab File: VU025061.D
 Acq: 29 Jun 2018 10:33

Tgt Ion:	164	Resp:	11159
Ion	Ratio	Lower	Upper
164	100		
129	97.4	66.1	122.8
131	93.7	62.7	116.5
166	132.2	88.8	165.0

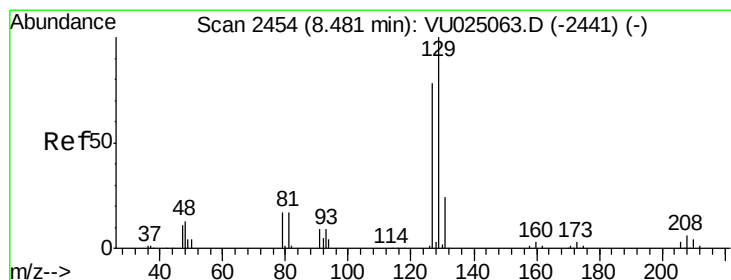
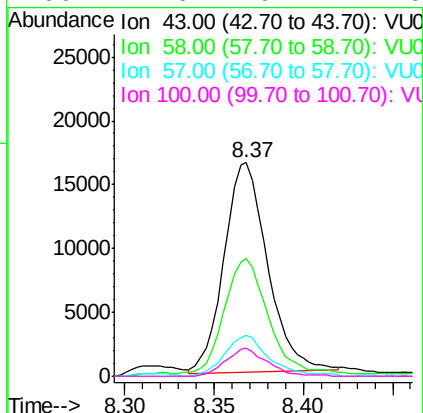
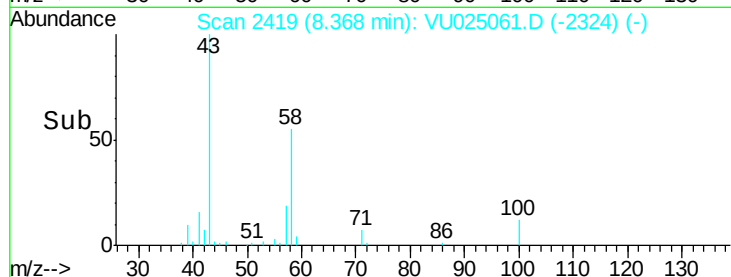
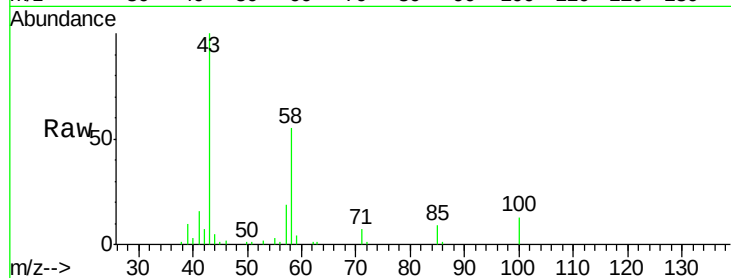




#48
2-Hexanone
Concen: 8.808 ug/L
RT: 8.37 min Scan# 2419
Delta R.T. 0.01 min
Lab File: VU025061.D
Acq: 29 Jun 2018 10:33

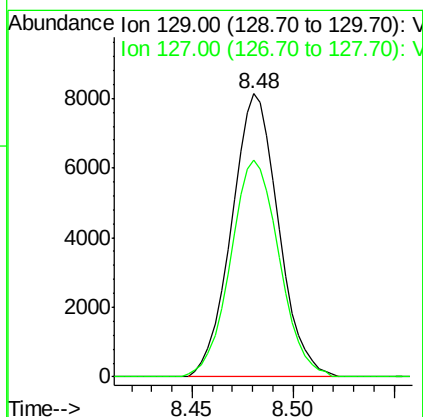
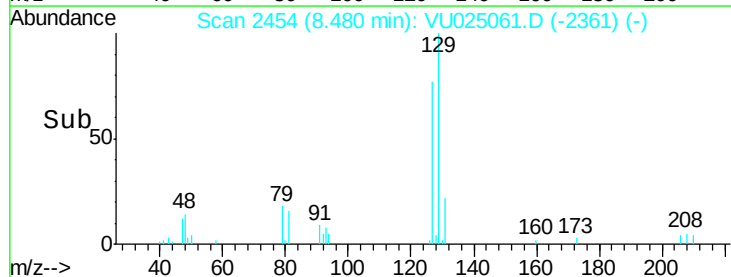
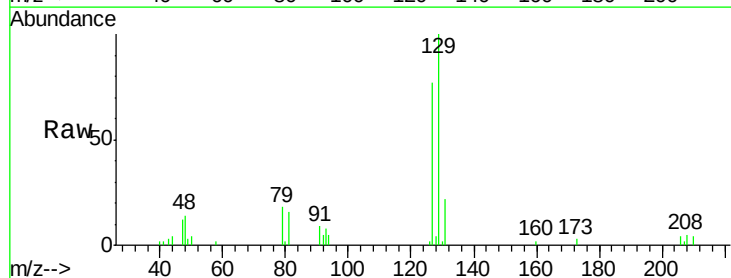
Instrument :
MSVOA_U
ClientSampleId :
VSTD00540

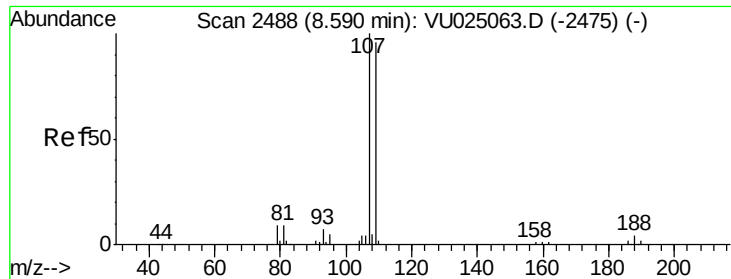
Tgt Ion:	43	Resp:	27953
Ion	Ratio	Lower	Upper
43	100		
58	54.0	43.2	64.8
57	19.4	15.8	23.8
100	12.6	9.4	14.0



#49
Dibromochloromethane
Concen: 4.361 ug/L
RT: 8.48 min Scan# 2454
Delta R.T. -0.00 min
Lab File: VU025061.D
Acq: 29 Jun 2018 10:33

Tgt Ion:	129	Resp:	13239
Ion	Ratio	Lower	Upper
129	100		
127	76.6	54.6	101.4

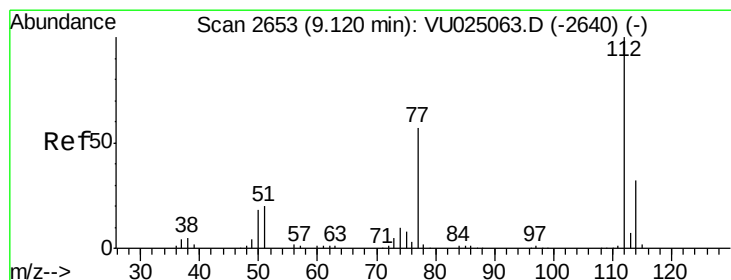
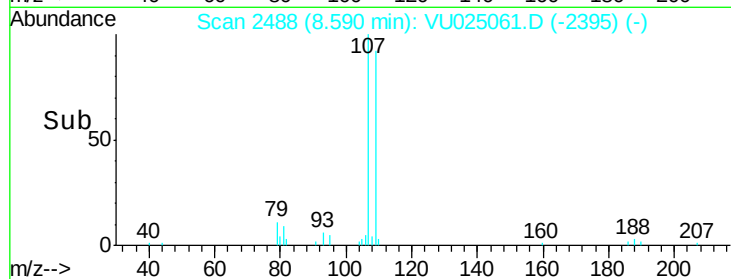
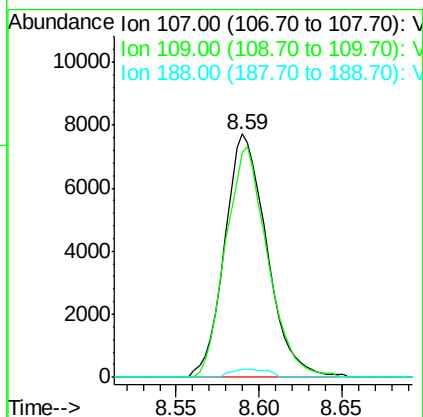
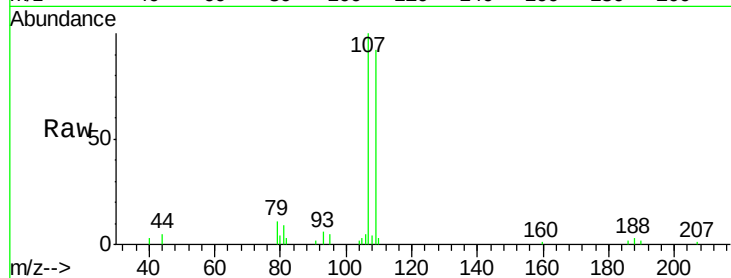




#50
1,2-Dibromoethane
Concen: 4.984 ug/L
RT: 8.59 min Scan# 2488
Delta R.T. -0.00 min
Lab File: VU025061.D
Acq: 29 Jun 2018 10:33

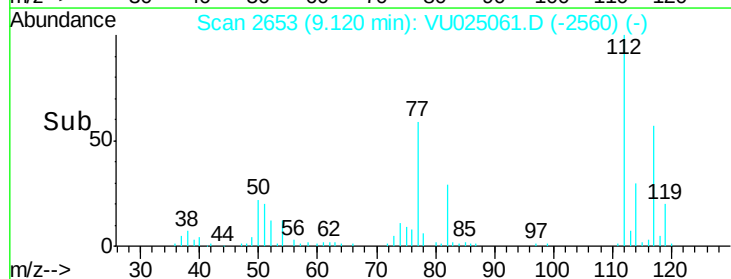
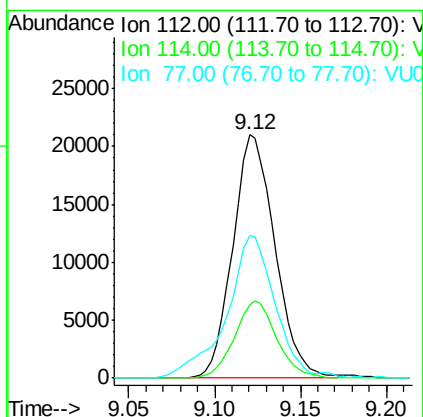
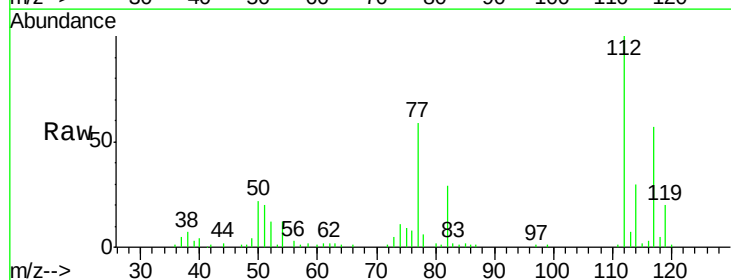
Instrument :
MSVOA_U
ClientSampleId :
VSTD00540

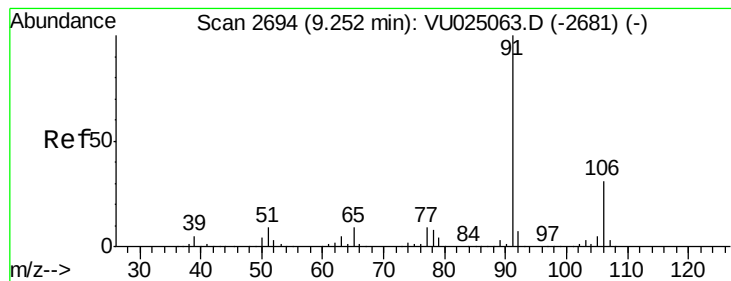
Tgt Ion:107 Resp: 13671
Ion Ratio Lower Upper
107 100
109 91.9 67.1 124.5
188 3.2 3.4 5.0#



#51
Chlorobenzene
Concen: 5.056 ug/L
RT: 9.12 min Scan# 2653
Delta R.T. -0.00 min
Lab File: VU025061.D
Acq: 29 Jun 2018 10:33

Tgt Ion:112 Resp: 35890
Ion Ratio Lower Upper
112 100
114 29.9 22.7 42.1
77 58.8 46.2 69.4





#52

Ethylbenzene

Concen: 4.755 ug/L

RT: 9.26 min Scan# 2695

Delta R.T. 0.00 min

Lab File: VU025061.D

Acq: 29 Jun 2018 10:33

Instrument :

MSVOA_U

ClientSampleId :

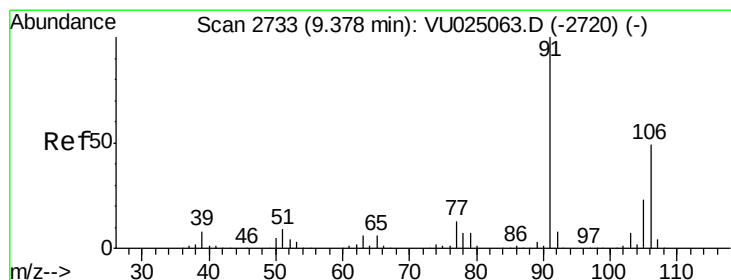
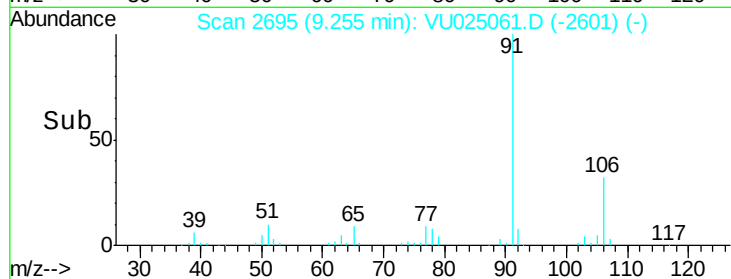
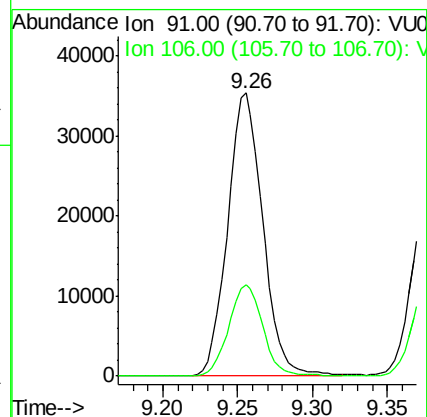
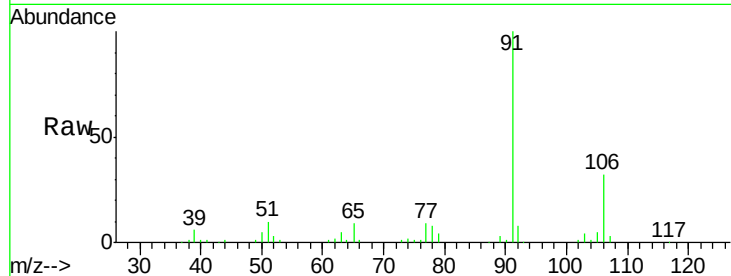
VSTD00540

Tgt Ion: 91 Resp: 57891

Ion Ratio Lower Upper

91 100

106 32.4 21.6 40.2



#53

m,p-Xylene

Concen: 4.742 ug/L

RT: 9.38 min Scan# 2733

Delta R.T. -0.00 min

Lab File: VU025061.D

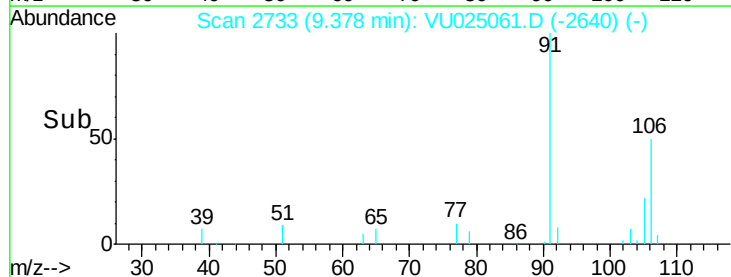
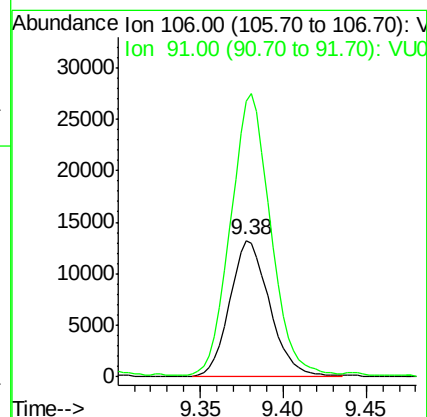
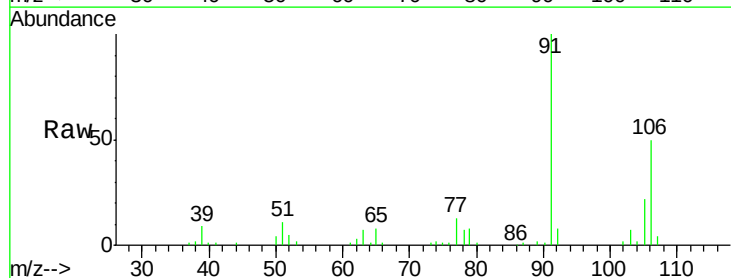
Acq: 29 Jun 2018 10:33

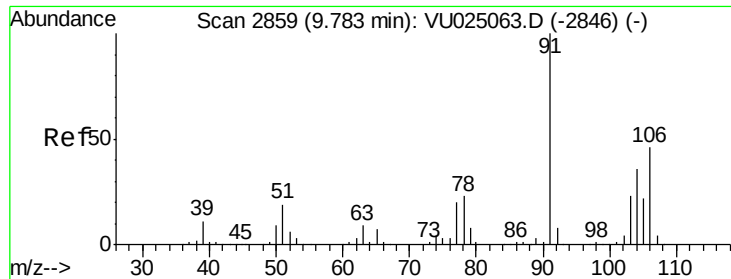
Tgt Ion: 106 Resp: 22218

Ion Ratio Lower Upper

106 100

91 201.4 142.0 263.8

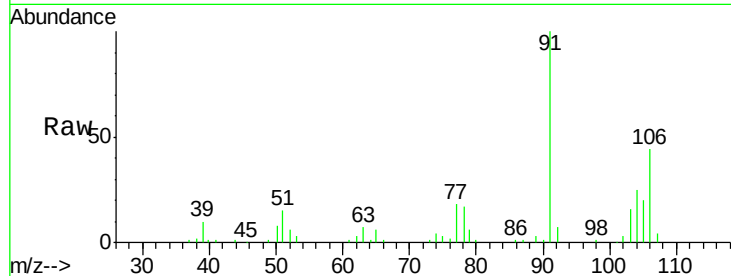




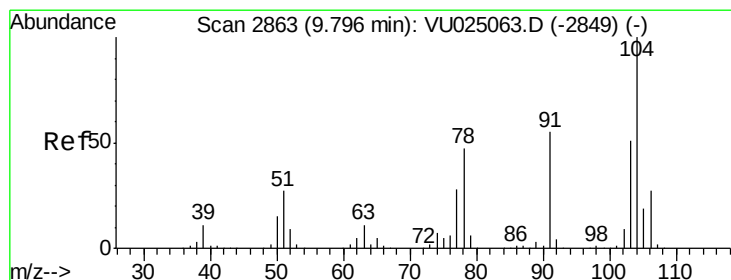
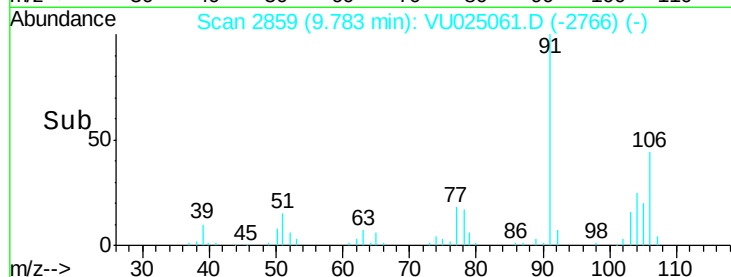
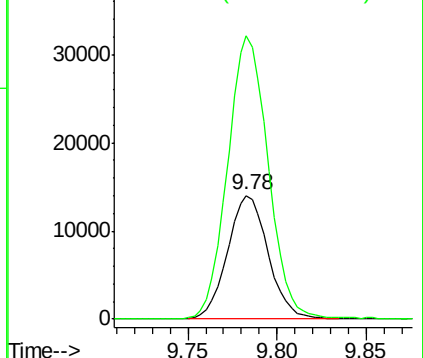
#54
o-xylene
Concen: 4.796 ug/L
RT: 9.78 min Scan# 2859
Delta R.T. -0.00 min
Lab File: VU025061.D
Acq: 29 Jun 2018 10:33

Instrument :
MSVOA_U
ClientSampleId :
VSTD00540

Tgt Ion:106 Resp: 22274
Ion Ratio Lower Upper
106 100
91 228.4 152.0 282.4

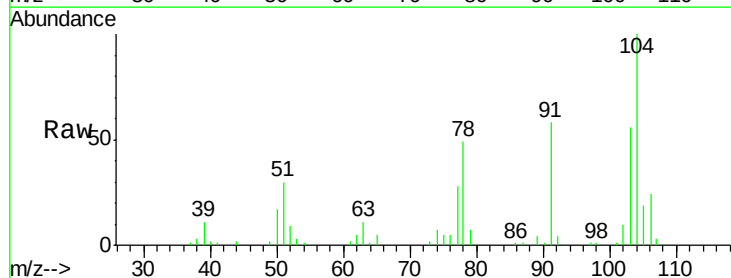


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

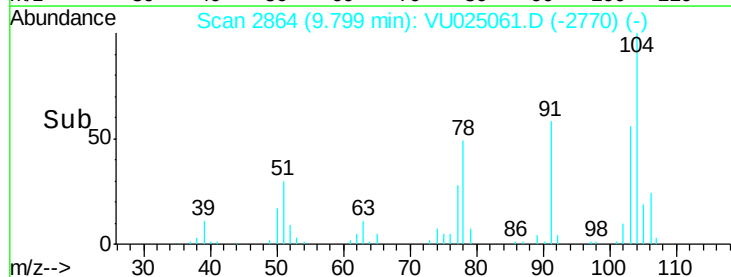
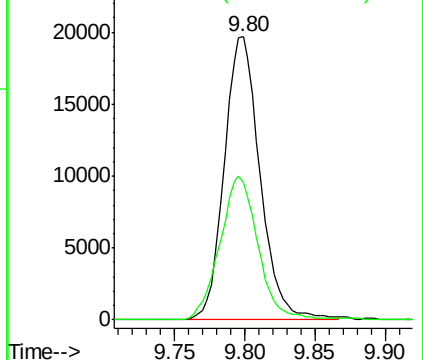


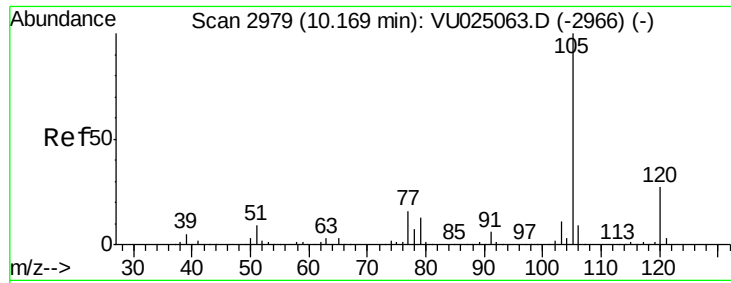
#55
Styrene
Concen: 4.464 ug/L
RT: 9.80 min Scan# 2864
Delta R.T. 0.00 min
Lab File: VU025061.D
Acq: 29 Jun 2018 10:33

Tgt Ion:104 Resp: 34887
Ion Ratio Lower Upper
104 100
78 48.7 32.6 60.6



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





#56

Isopropylbenzene

Concen: 4.784 ug/L

RT: 10.17 min Scan# 2980

Delta R.T. 0.00 min

Lab File: VU025061.D

Acq: 29 Jun 2018 10:33

Instrument :

MSVOA_U

ClientSampleId :

VSTD00540

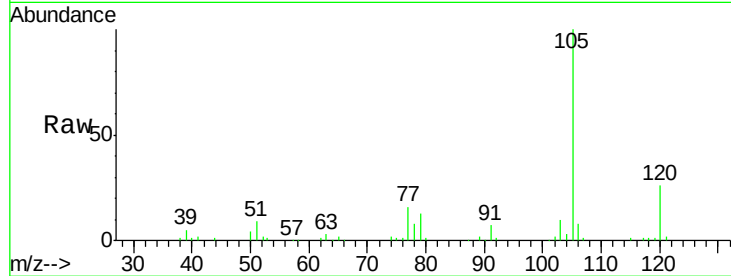
Tgt Ion: 105 Resp: 58539

Ion Ratio Lower Upper

105 100

120 26.2 21.4 32.0

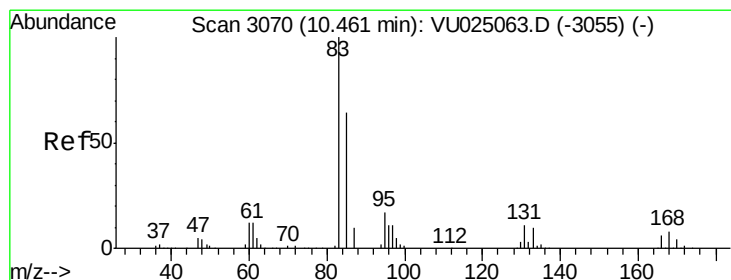
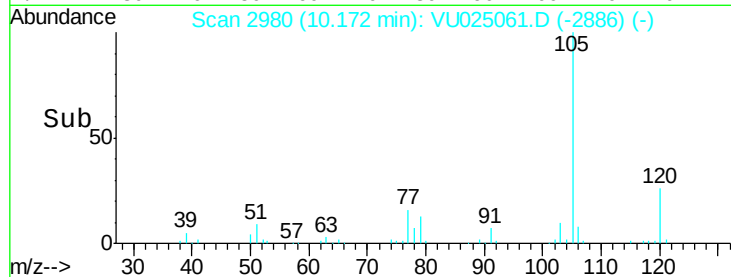
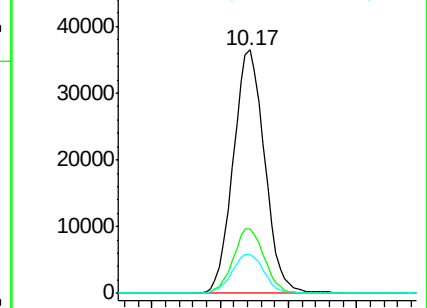
77 16.3 12.5 18.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 4.595 ug/L

RT: 10.46 min Scan# 3070

Delta R.T. -0.00 min

Lab File: VU025061.D

Acq: 29 Jun 2018 10:33

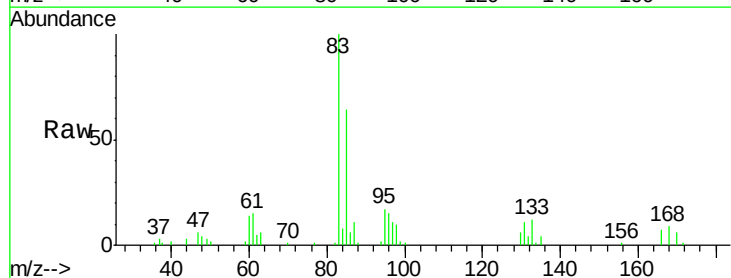
Tgt Ion: 83 Resp: 19727

Ion Ratio Lower Upper

83 100

85 63.7 45.1 83.7

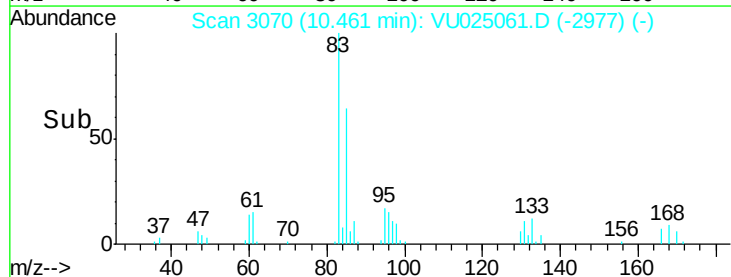
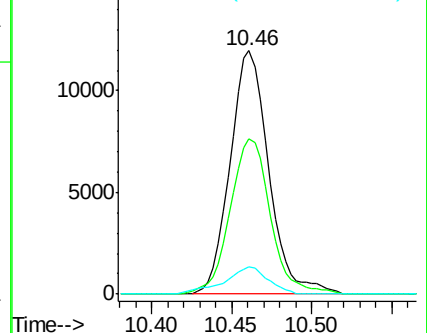
131 11.2 8.7 13.1

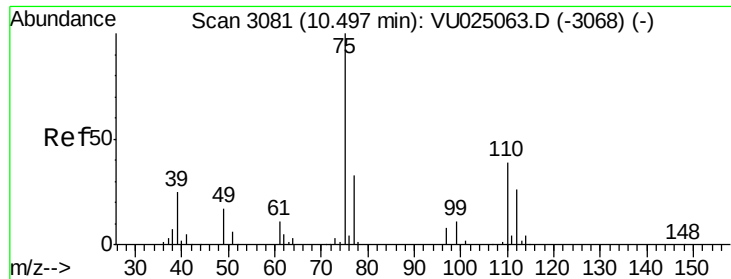


Abundance Ion 83.00 (82.70 to 83.70): VU

Ion 85.00 (84.70 to 85.70): VU

Ion 131.00 (130.70 to 131.70): V

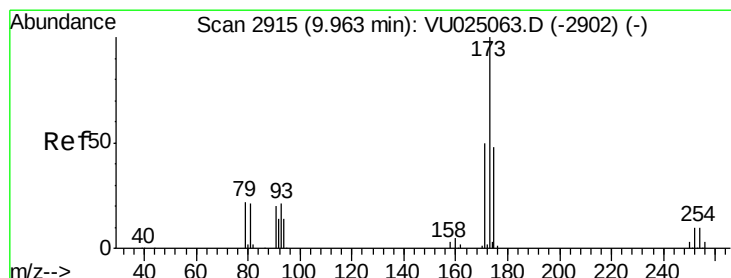
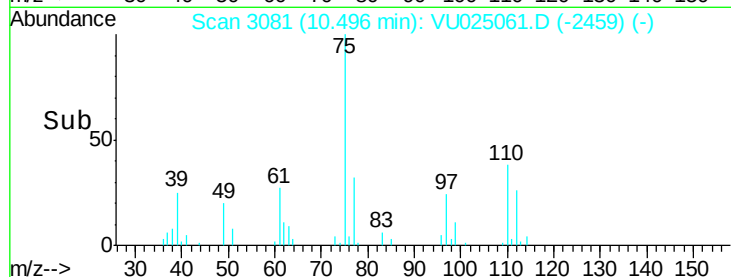
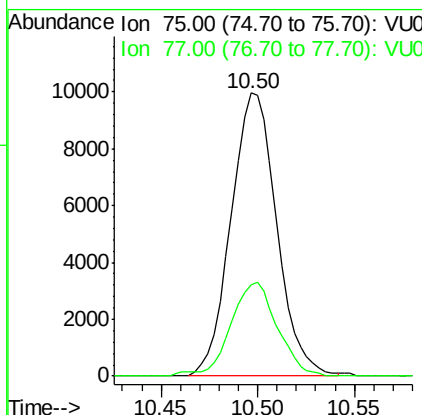
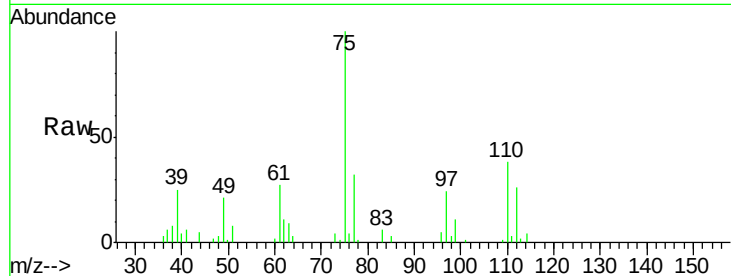




#59
 1,2,3-Trichloropropane
 Concen: 4.838 ug/L
 RT: 10.50 min Scan# 3081
 Delta R.T. -0.00 min
 Lab File: VU025061.D
 Acq: 29 Jun 2018 10:33

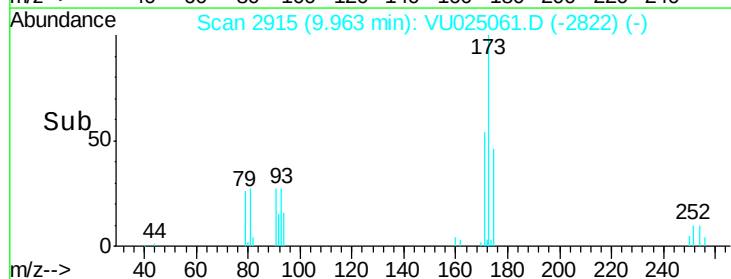
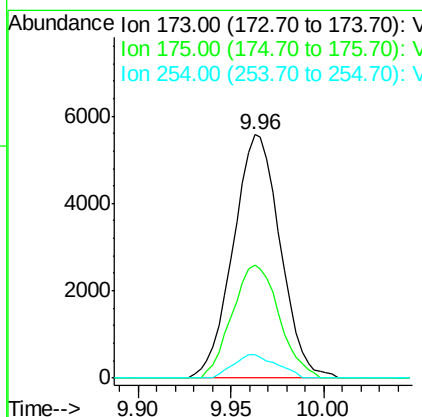
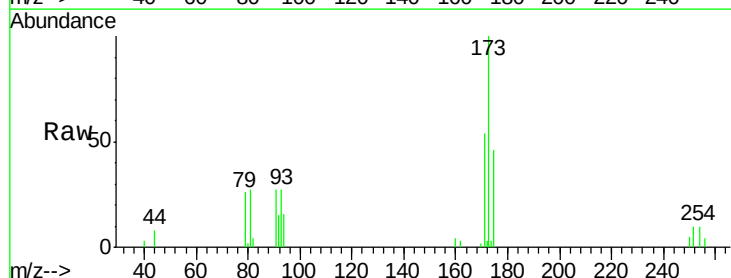
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00540

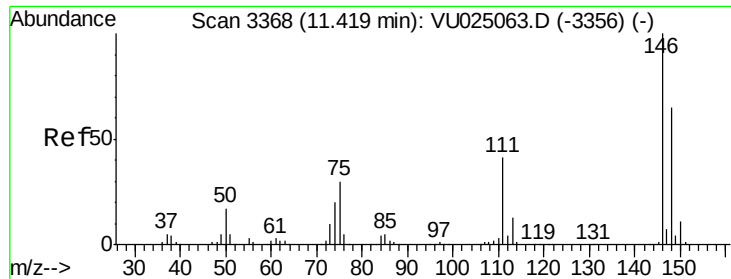
Tgt Ion: 75 Resp: 16417
 Ion Ratio Lower Upper
 75 100
 77 32.8 26.2 39.4



#61
 Bromoform
 Concen: 4.328 ug/L
 RT: 9.96 min Scan# 2915
 Delta R.T. -0.00 min
 Lab File: VU025061.D
 Acq: 29 Jun 2018 10:33

Tgt Ion: 173 Resp: 9803
 Ion Ratio Lower Upper
 173 100
 175 46.3 39.1 58.7
 254 8.9 7.7 11.5

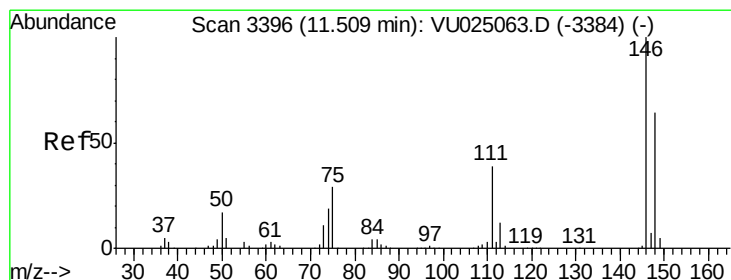
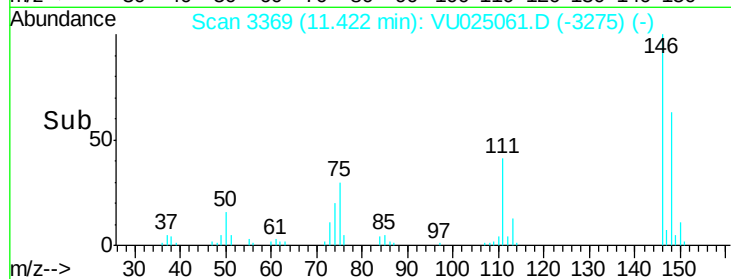
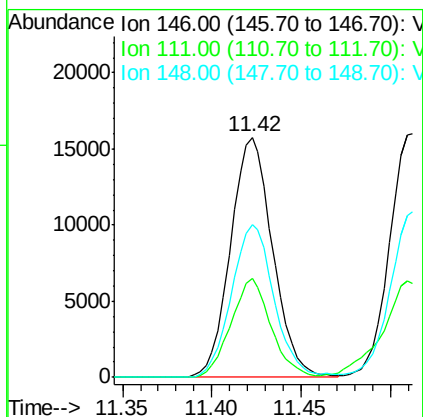
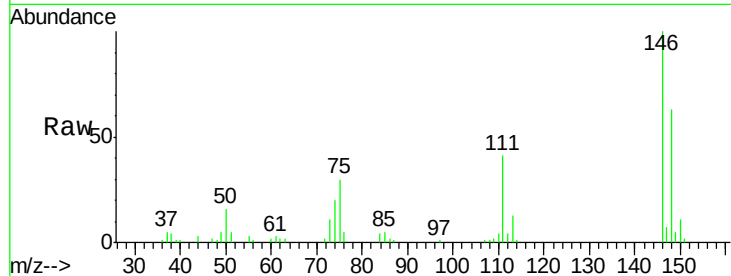




#62
 1,3-Dichlorobenzene
 Concen: 4.884 ug/L
 RT: 11.42 min Scan# 3369
 Delta R.T. 0.00 min
 Lab File: VU025061.D
 Acq: 29 Jun 2018 10:33

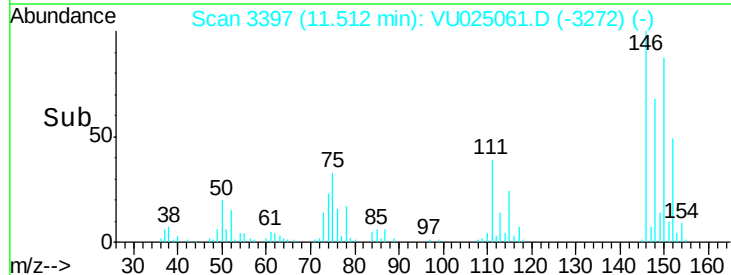
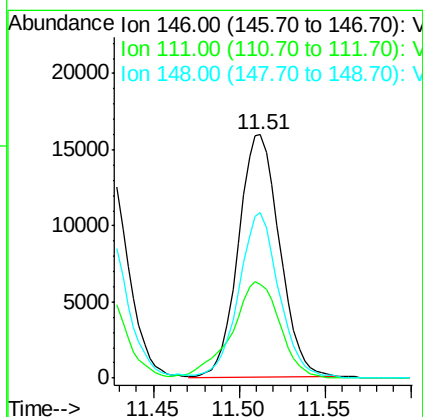
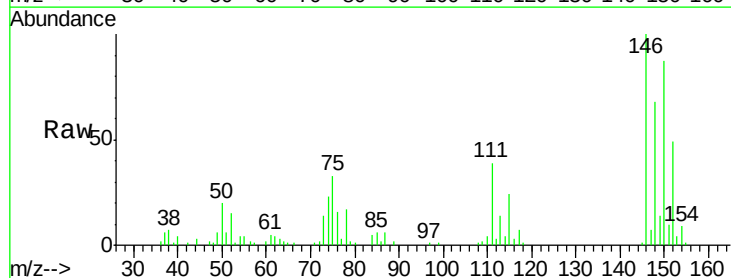
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00540

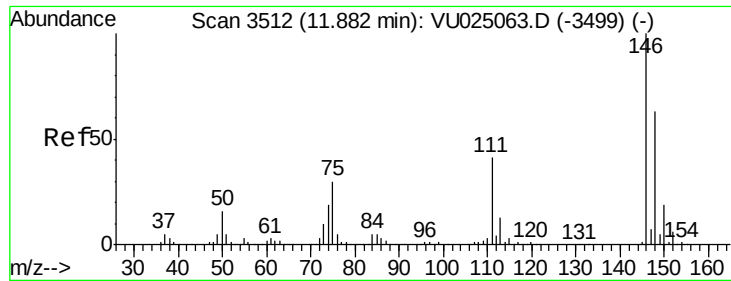
Tgt Ion:146 Resp: 25826
 Ion Ratio Lower Upper
 146 100
 111 41.2 28.7 53.3
 148 63.4 45.3 84.1



#63
 1,4-Dichlorobenzene
 Concen: 4.967 ug/L
 RT: 11.51 min Scan# 3397
 Delta R.T. 0.00 min
 Lab File: VU025061.D
 Acq: 29 Jun 2018 10:33

Tgt Ion:146 Resp: 26383
 Ion Ratio Lower Upper
 146 100
 111 38.8 27.7 51.5
 148 67.7 44.7 83.1





#65

1,2-Dichlorobenzene

Concen: 5.067 ug/L

RT: 11.88 min Scan# 3512

Delta R.T. -0.00 min

Lab File: VU025061.D

Acq: 29 Jun 2018 10:33

Instrument :

MSVOA_U

ClientSampleId :

VSTD00540

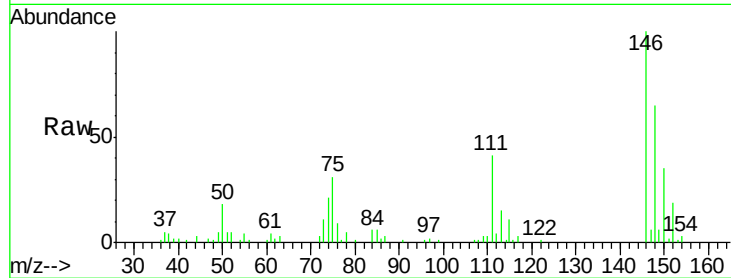
Tgt Ion:146 Resp: 27211

Ion Ratio Lower Upper

146 100

111 41.0 33.0 49.4

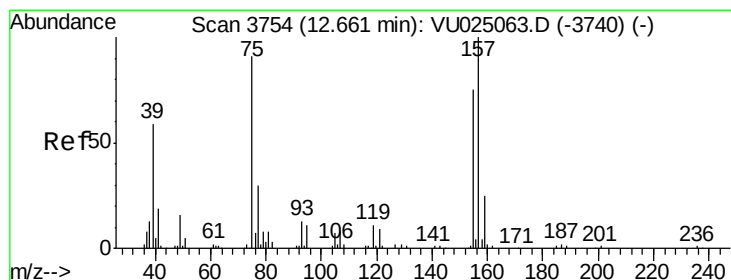
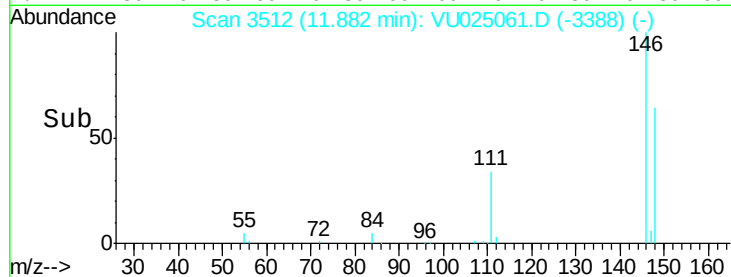
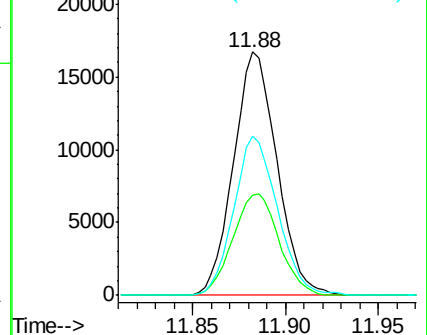
148 65.4 50.1 75.1



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



#66

1,2-Dibromo-3-chloropropane

Concen: 4.228 ug/L

RT: 12.66 min Scan# 3755

Delta R.T. 0.00 min

Lab File: VU025061.D

Acq: 29 Jun 2018 10:33

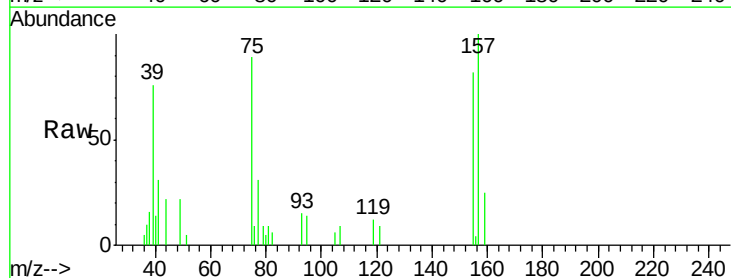
Tgt Ion: 75 Resp: 3955

Ion Ratio Lower Upper

75 100

155 92.0 66.3 99.5

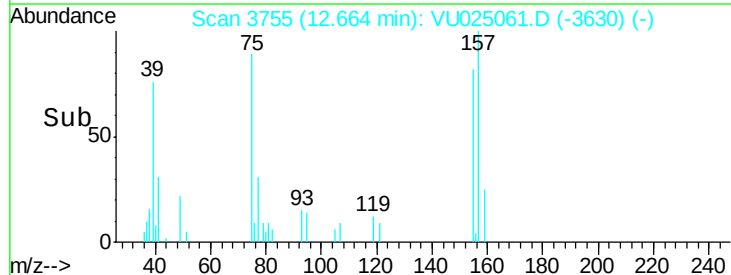
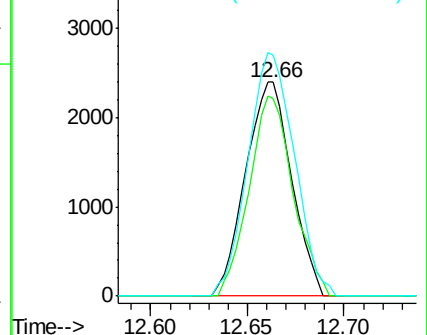
157 112.8 87.9 131.9

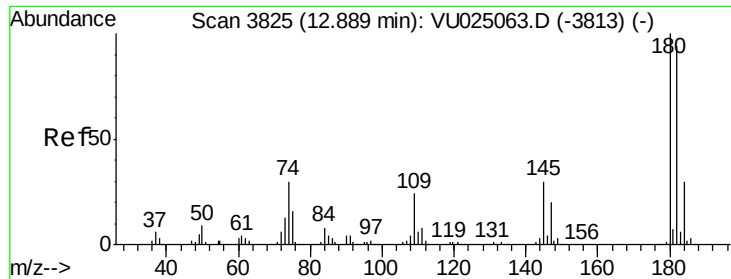


Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

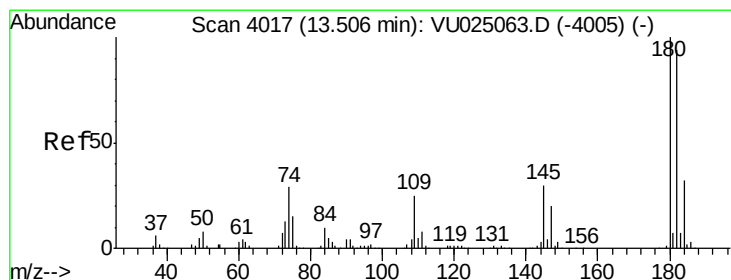
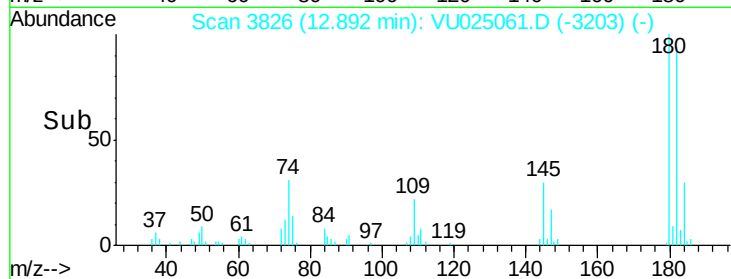
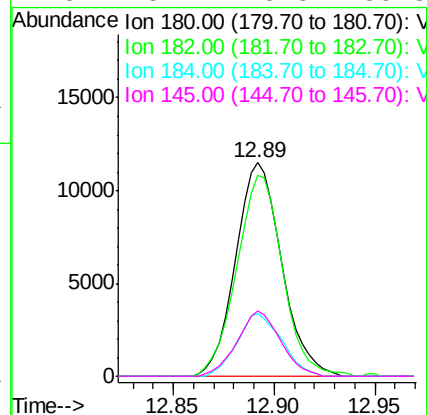
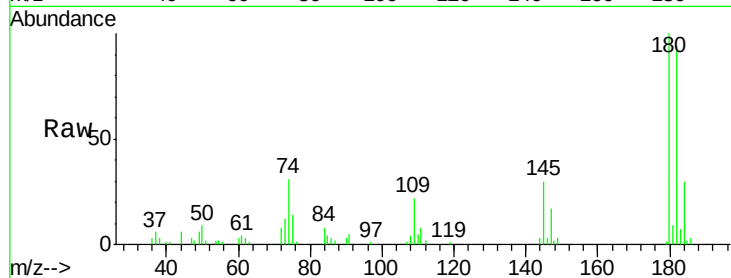




#67
 1,3,5-Trichlorobenzene
 Concen: 4.442 ug/L
 RT: 12.89 min Scan# 3826
 Delta R.T. 0.00 min
 Lab File: VU025061.D
 Acq: 29 Jun 2018 10:33

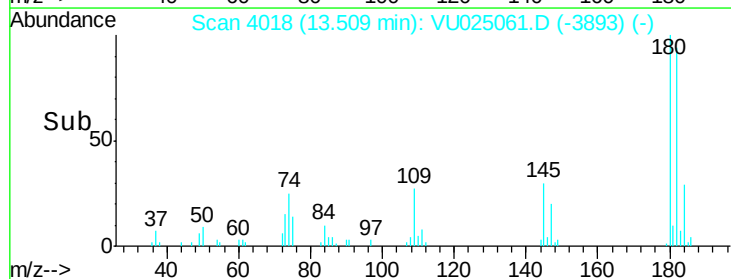
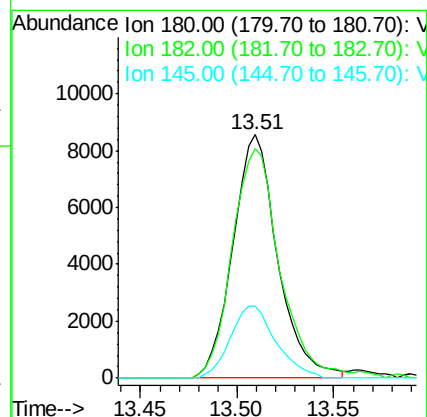
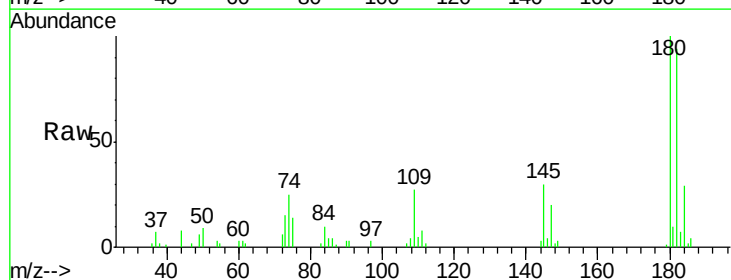
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00540

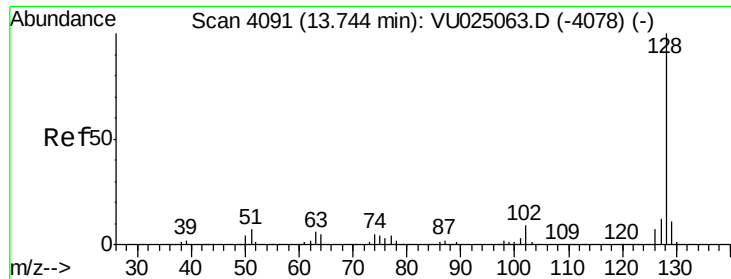
Tgt Ion:180 Resp: 18362
 Ion Ratio Lower Upper
 180 100
 182 93.8 76.8 115.2
 184 28.5 24.3 36.5
 145 28.7 23.8 35.8



#68
 1,2,4-trichlorobenzene
 Concen: 4.031 ug/L
 RT: 13.51 min Scan# 4018
 Delta R.T. 0.00 min
 Lab File: VU025061.D
 Acq: 29 Jun 2018 10:33

Tgt Ion:180 Resp: 13752
 Ion Ratio Lower Upper
 180 100
 182 99.9 75.9 113.9
 145 30.1 23.8 35.8





#69

Naphthalene

Concen: 4.945 ug/L

RT: 13.75 min Scan# 4092

Delta R.T. 0.00 min

Lab File: VU025061.D

Acq: 29 Jun 2018 10:33

Instrument :

MSVOA_U

ClientSampleId :

VSTD00540

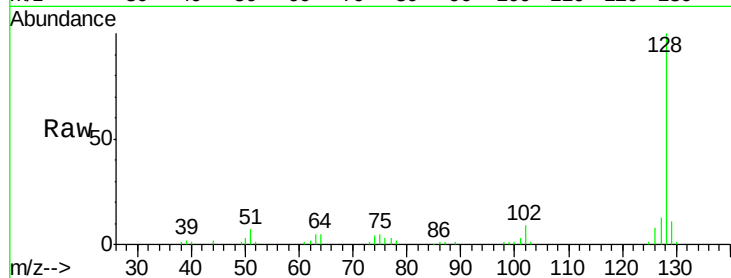
Tgt Ion:128 Resp: 48586

Ion Ratio Lower Upper

128 100

127 12.4 10.2 15.2

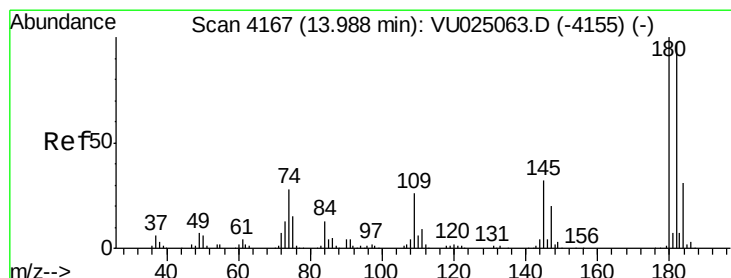
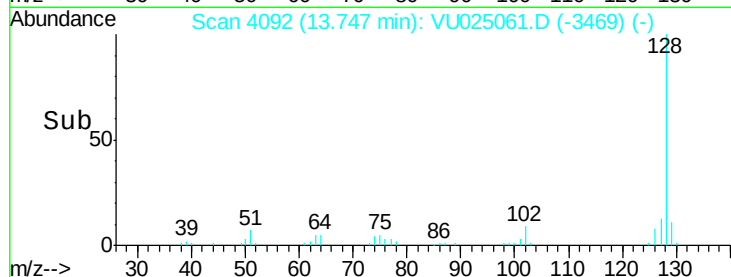
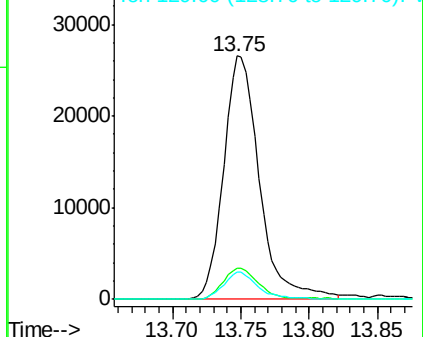
129 10.7 8.8 13.2



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



#70

1,2,3-Trichlorobenzene

Concen: 4.600 ug/L

RT: 13.99 min Scan# 4169

Delta R.T. 0.01 min

Lab File: VU025061.D

Acq: 29 Jun 2018 10:33

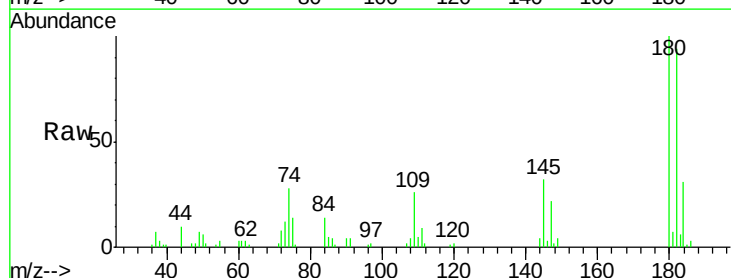
Tgt Ion:180 Resp: 16101

Ion Ratio Lower Upper

180 100

182 93.4 77.4 116.0

145 29.3 25.4 38.0



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

