

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU062918\
 Data File : VU025063.D
 Acq On : 29 Jun 2018 11:21
 Operator : MD/SY
 Sample : VSTD05042
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05042

Quant Time: Jun 29 23:19:18 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	376208	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	346301	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	179312	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	112234	51.55	ug/L	0.00
7) Chloroethane-d5	1.68	69	91013	54.00	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.28	63	243593	55.14	ug/L	0.00
21) 2-Butanone-d5	4.18	46	188928	102.37	ug/L	0.00
24) Chloroform-d	4.65	84	241449	54.48	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.31	65	169231	59.31	ug/L	0.00
32) Benzene-d6	5.35	84	467151	54.31	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.34	67	149905	52.81	ug/L	0.00
41) Toluene-d8	7.57	98	458481	53.03	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.85	79	74851	51.87	ug/L	0.00
47) 2-Hexanone-d5	8.31	63	137643	96.10	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.44	84	212393	51.33	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.86	152	194874	54.88	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	168616	54.236	ug/L 100
3) Chloromethane	1.33	50	137397	50.225	ug/L 100
5) Vinyl chloride	1.40	62	144037	49.261	ug/L 100
6) Bromomethane	1.62	94	79687	55.946	ug/L 100
8) Chloroethane	1.70	64	86582	50.027	ug/L 100
9) Trichlorofluoromethane	1.89	101	214662	49.802	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	125346	51.131	ug/L 100
12) 1,1-Dichloroethene	2.28	96	114259	50.845	ug/L 100
13) Acetone	2.32	43	191713	98.226	ug/L 100
14) Carbon disulfide	2.48	76	346095	47.903	ug/L 100
15) Methyl Acetate	2.62	43	143580	48.295	ug/L 100
16) Methylene chloride	2.70	84	133755	48.726	ug/L 100
17) trans-1,2-Dichloroethene	2.99	96	122532	48.671	ug/L 100
18) Methyl tert-butyl Ether	3.00	73	432891	51.947	ug/L 100
19) 1,1-Dichloroethane	3.45	63	237874	50.786	ug/L 100
20) cis-1,2-Dichloroethene	4.23	96	143207	48.731	ug/L 100
22) 2-Butanone	4.26	43	227808	92.732	ug/L 100
23) Bromochloromethane	4.55	128	74261	50.306	ug/L 100
25) Chloroform	4.68	83	253392	52.025	ug/L 100
27) 1,2-Dichloroethane	5.41	62	212751	55.857	ug/L 100
29) Cyclohexane	5.00	56	220203	51.129	ug/L 100
30) 1,1,1-Trichloroethane	4.92	97	229624	53.551	ug/L 100
31) Carbon tetrachloride	5.14	117	204067	52.350	ug/L 100
33) Benzene	5.39	78	518631	50.693	ug/L 100
34) Trichloroethene	6.19	95	138173	49.102	ug/L 100
35) Methylcyclohexane	6.42	83	231353	51.077	ug/L 100
37) 1,2-Dichloropropane	6.44	63	139203	49.138	ug/L 100
38) Bromodichloromethane	6.76	83	187565	50.215	ug/L 100
39) cis-1,3-Dichloropropene	7.27	75	224394	50.114	ug/L 100
40) 4-Methyl-2-pentanone	7.46	43	401438	95.804	ug/L 100

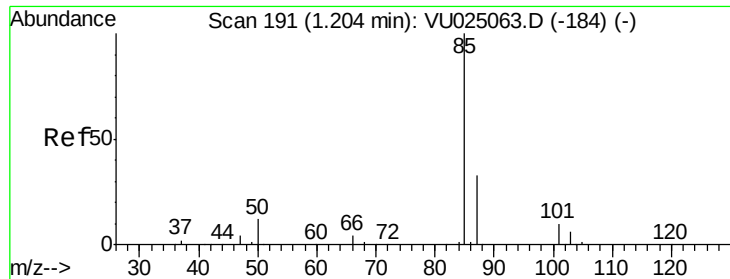
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU062918\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.64	91	567910	49.990	ug/L	100
44) trans-1,3-Dichloropropene	7.88	75	207687	51.069	ug/L	100
45) 1,1,2-Trichloroethane	8.07	97	134007	50.108	ug/L	100
46) Tetrachloroethene	8.23	164	117500	49.726	ug/L	100
48) 2-Hexanone	8.36	43	321193	94.827	ug/L	100
49) Dibromochloromethane	8.48	129	158490	48.915	ug/L	100
50) 1,2-Dibromoethane	8.59	107	145945	49.857	ug/L	100
51) Chlorobenzene	9.12	112	376388	49.683	ug/L	100
52) Ethylbenzene	9.25	91	648462	49.909	ug/L	100
53) m,p-Xylene	9.38	106	250697	50.134	ug/L	100
54) o-xylene	9.78	106	251408	50.722	ug/L	100
55) Styrene	9.80	104	414590	49.707	ug/L	100
56) Isopropylbenzene	10.17	105	663524	50.809	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.46	83	222082	48.472	ug/L	100
59) 1,2,3-Trichloropropane	10.50	75	181817	50.204	ug/L	100
61) Bromoform	9.96	173	119068	46.048	ug/L	100
62) 1,3-Dichlorobenzene	11.42	146	300036	49.705	ug/L	100
63) 1,4-Dichlorobenzene	11.51	146	298217	49.185	ug/L	100
65) 1,2-Dichlorobenzene	11.88	146	320218	52.235	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.66	75	52916	49.555	ug/L	100
67) 1,3,5-Trichlorobenzene	12.89	180	225730	47.835	ug/L	100
68) 1,2,4-trichlorobenzene	13.51	180	190338	48.880	ug/L	100
69) Naphthalene	13.74	128	628002	55.990	ug/L	100
70) 1,2,3-Trichlorobenzene	13.99	180	200537	50.184	ug/L	100

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



#2

Dichlorodifluoromethane

Concen: 54.236 ug/L

RT: 1.20 min Scan# 191

Delta R.T. 0.00 min

Lab File: VU025063.D

Acq: 29 Jun 2018 11:21

Instrument :

MSVOA_U

ClientSampleId :

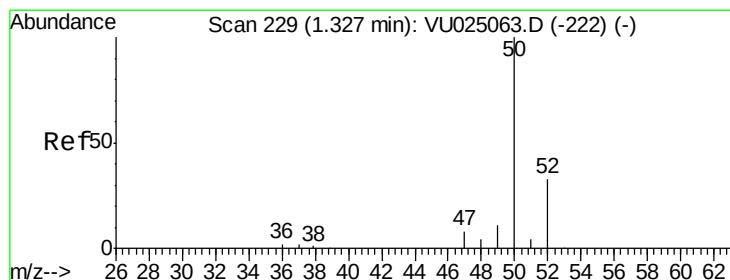
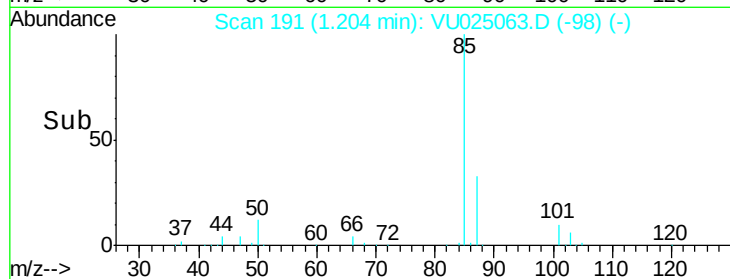
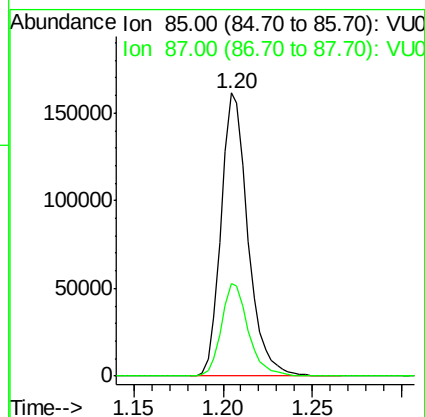
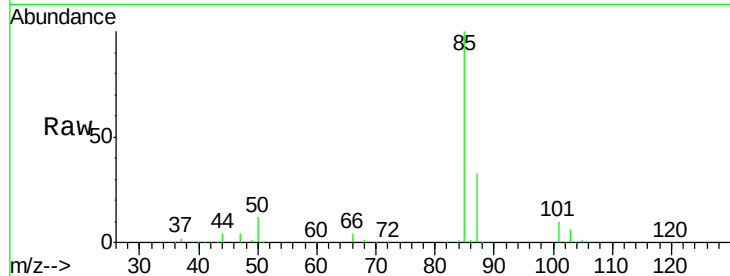
VSTD05042

Tgt Ion: 85 Resp: 168616

Ion Ratio Lower Upper

85 100

87 32.6 26.1 39.1



#3

Chloromethane

Concen: 50.225 ug/L

RT: 1.33 min Scan# 229

Delta R.T. 0.00 min

Lab File: VU025063.D

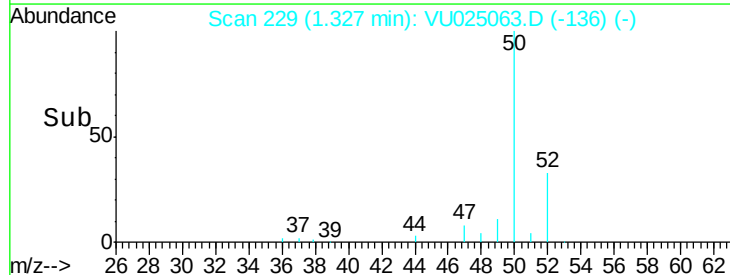
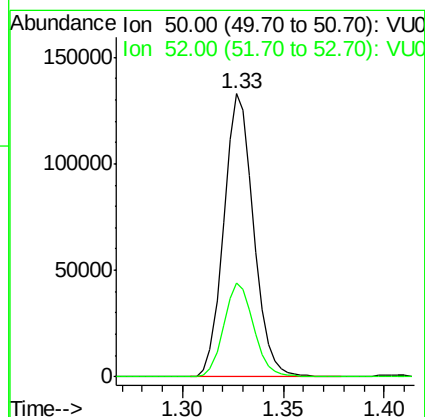
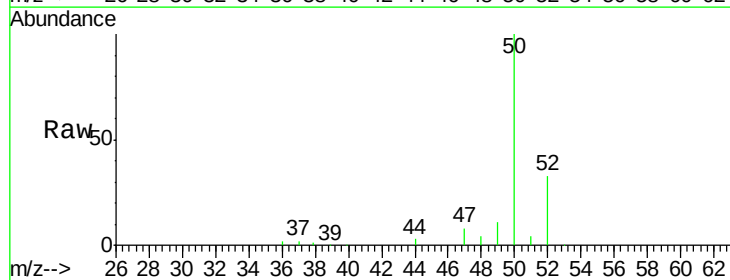
Acq: 29 Jun 2018 11:21

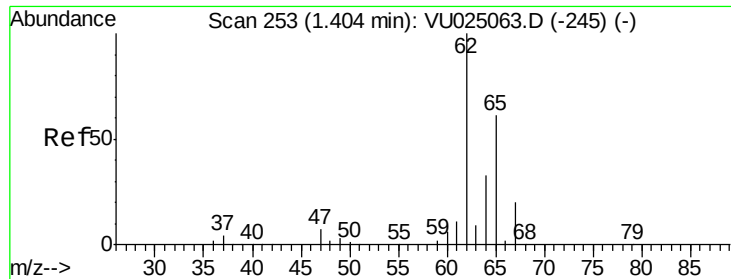
Tgt Ion: 50 Resp: 137397

Ion Ratio Lower Upper

50 100

52 33.0 23.1 42.9





#5

Vinyl chloride

Concen: 49.261 ug/L

RT: 1.40 min Scan# 253

Delta R.T. 0.00 min

Lab File: VU025063.D

Acq: 29 Jun 2018 11:21

Instrument :

MSVOA_U

ClientSampleId :

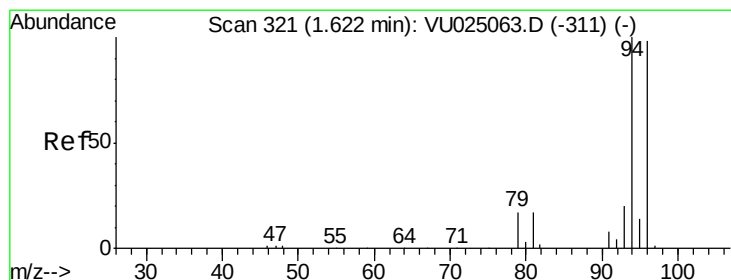
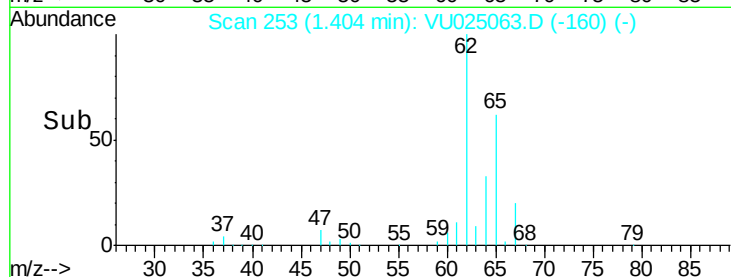
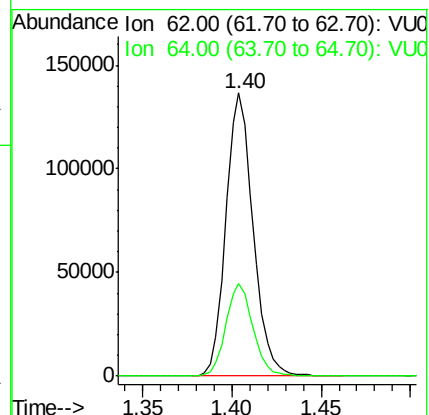
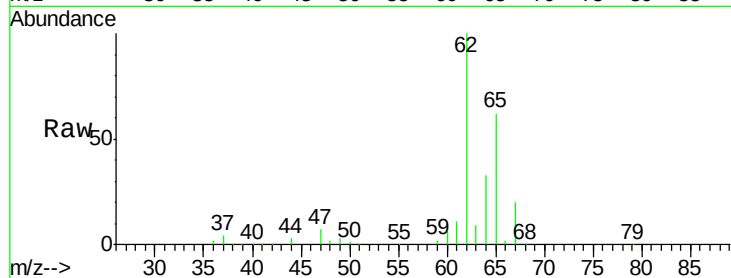
VSTD05042

Tgt Ion: 62 Resp: 144037

Ion Ratio Lower Upper

62 100

64 32.9 23.0 42.8



#6

Bromomethane

Concen: 55.946 ug/L

RT: 1.62 min Scan# 321

Delta R.T. 0.00 min

Lab File: VU025063.D

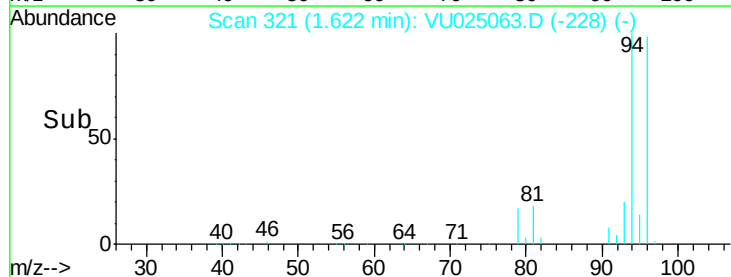
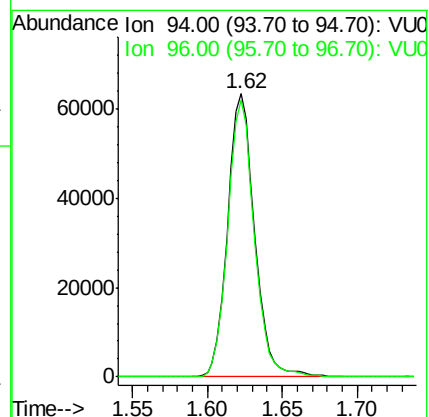
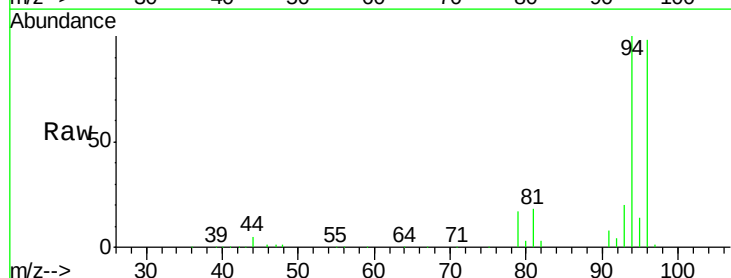
Acq: 29 Jun 2018 11:21

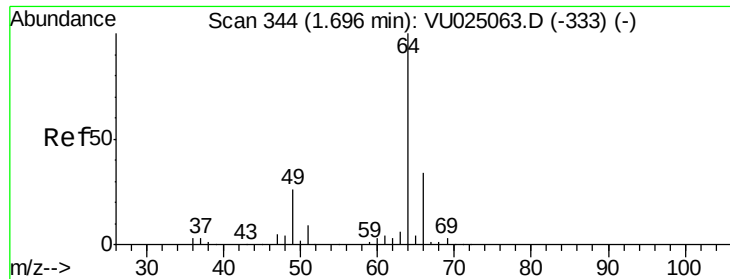
Tgt Ion: 94 Resp: 79687

Ion Ratio Lower Upper

94 100

96 97.7 68.4 127.0





#8

Chloroethane

Concen: 50.027 ug/L

RT: 1.70 min Scan# 344

Delta R.T. 0.00 min

Lab File: VU025063.D

Acq: 29 Jun 2018 11:21

Instrument :

MSVOA_U

ClientSampleId :

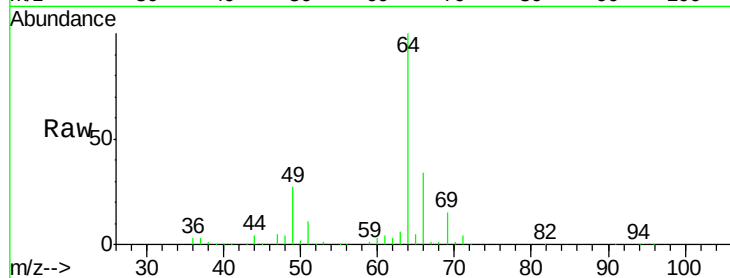
VSTD05042

Tgt Ion: 64 Resp: 86582

Ion Ratio Lower Upper

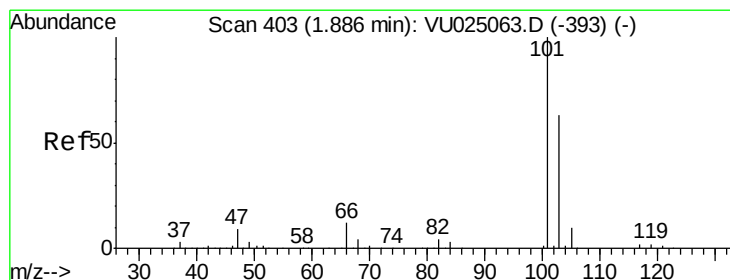
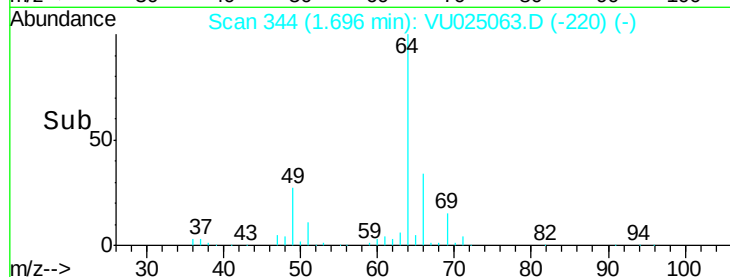
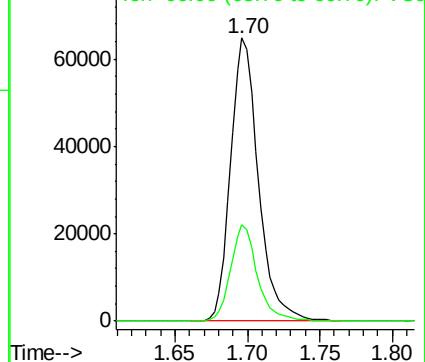
64 100

66 34.0 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: 49.802 ug/L

RT: 1.89 min Scan# 403

Delta R.T. 0.00 min

Lab File: VU025063.D

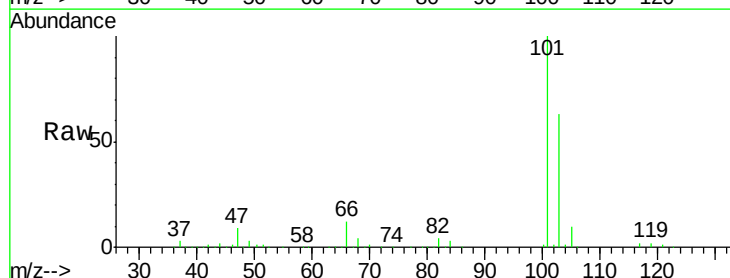
Acq: 29 Jun 2018 11:21

Tgt Ion: 101 Resp: 214662

Ion Ratio Lower Upper

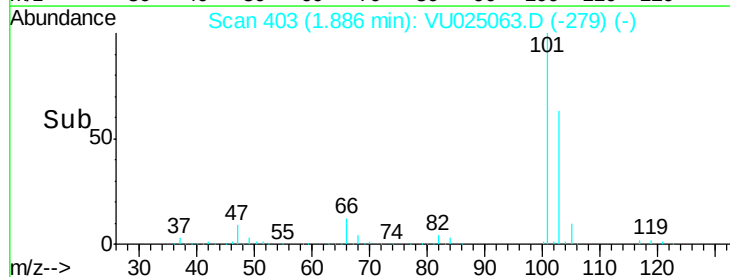
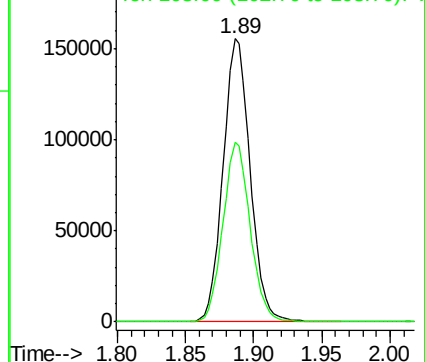
101 100

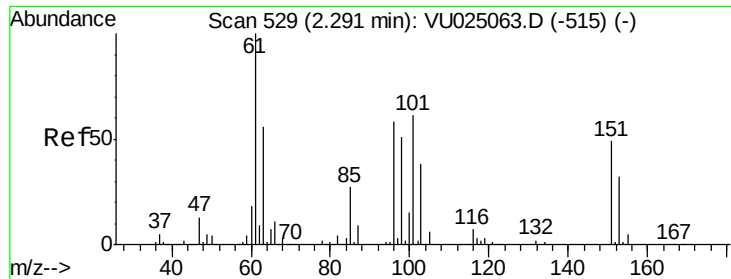
103 63.9 51.1 76.7



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: 51.131 ug/L

RT: 2.29 min Scan# 529

Delta R.T. 0.00 min

Lab File: VU025063.D

Acq: 29 Jun 2018 11:21

Instrument :

MSVOA_U

ClientSampleId :

VSTD05042

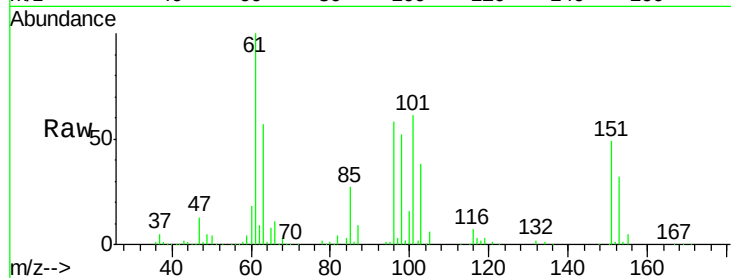
Tgt Ion: 101 Resp: 125346

Ion Ratio Lower Upper

101 100

85 44.7 35.8 53.6

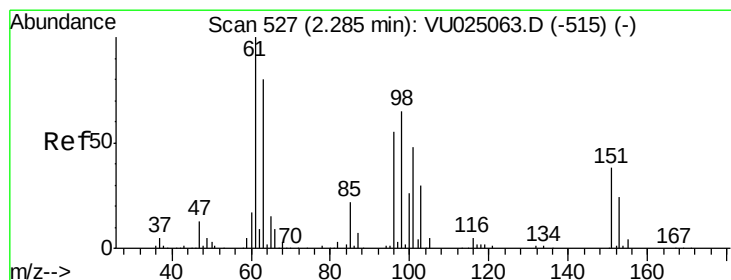
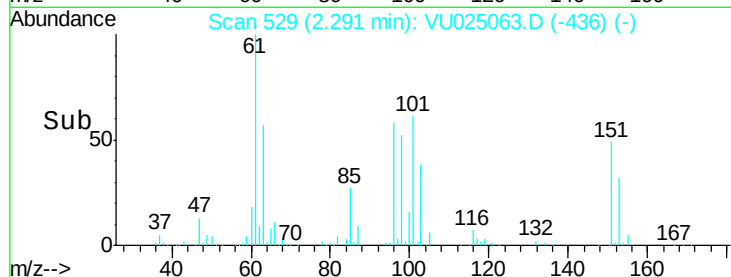
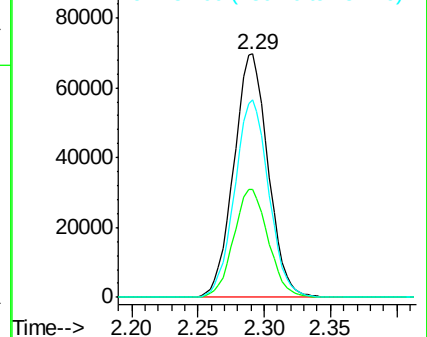
151 80.7 64.6 96.8



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 50.845 ug/L

RT: 2.28 min Scan# 527

Delta R.T. 0.00 min

Lab File: VU025063.D

Acq: 29 Jun 2018 11:21

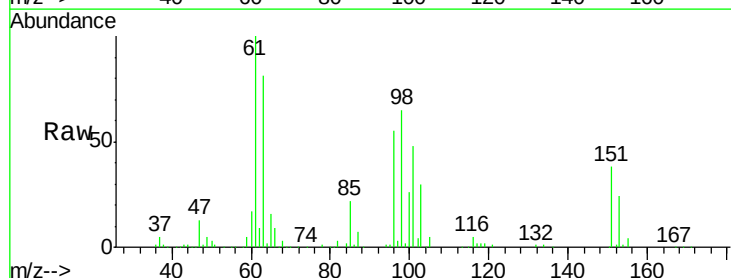
Tgt Ion: 96 Resp: 114259

Ion Ratio Lower Upper

96 100

61 183.0 128.1 237.9

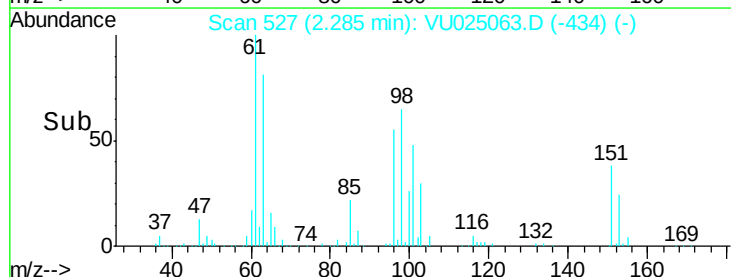
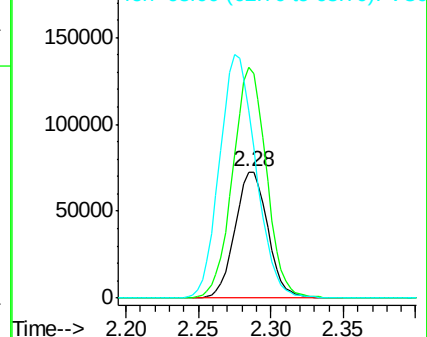
63 148.0 103.6 192.4

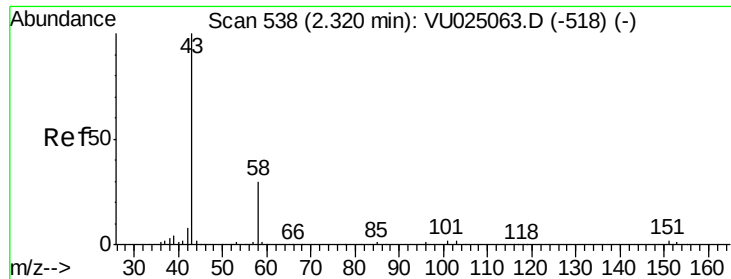


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 98.226 ug/L

RT: 2.32 min Scan# 538

Delta R.T. 0.00 min

Lab File: VU025063.D

Acq: 29 Jun 2018 11:21

Instrument :

MSVOA_U

ClientSampleId :

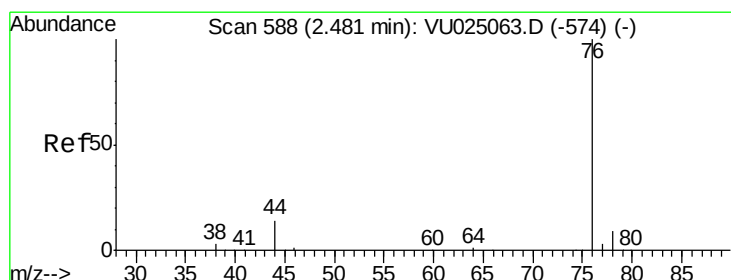
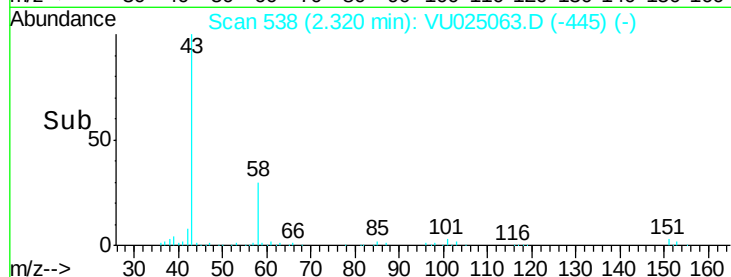
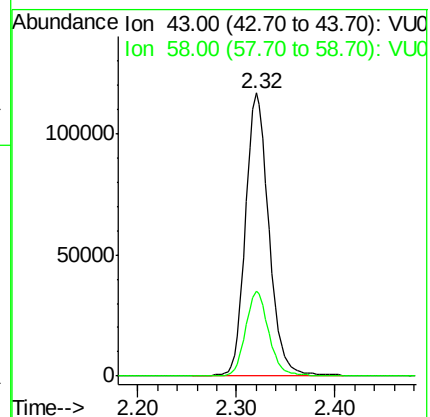
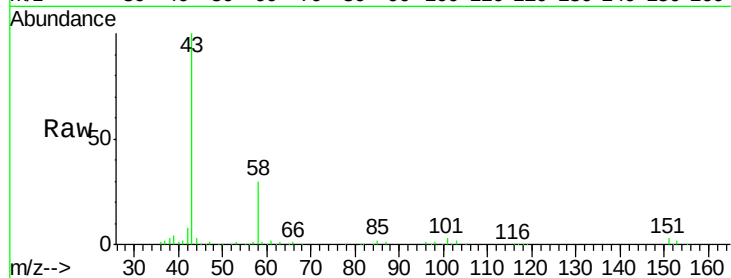
VSTD05042

Tgt Ion: 43 Resp: 191713

Ion Ratio Lower Upper

43 100

58 29.7 0.0 59.4



#14

Carbon disulfide

Concen: 47.903 ug/L

RT: 2.48 min Scan# 588

Delta R.T. 0.00 min

Lab File: VU025063.D

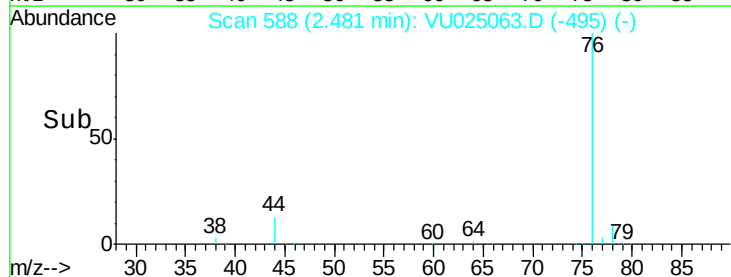
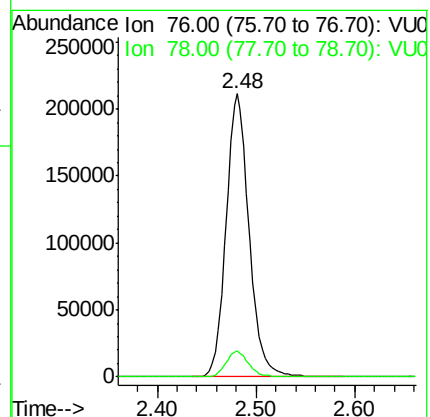
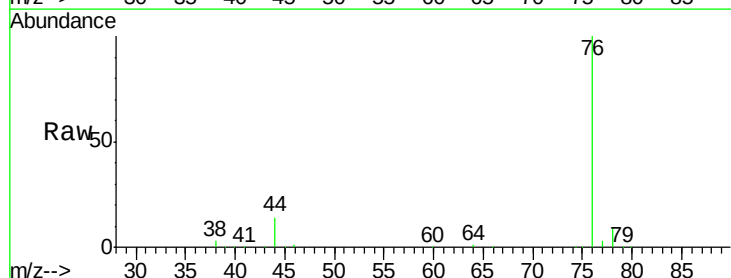
Acq: 29 Jun 2018 11:21

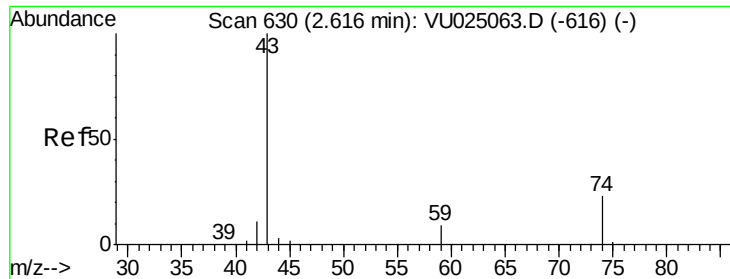
Tgt Ion: 76 Resp: 346095

Ion Ratio Lower Upper

76 100

78 9.1 7.3 10.9

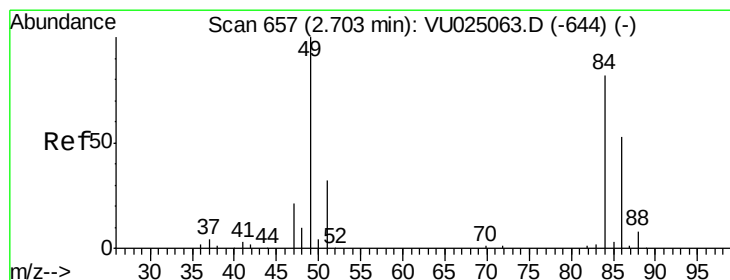
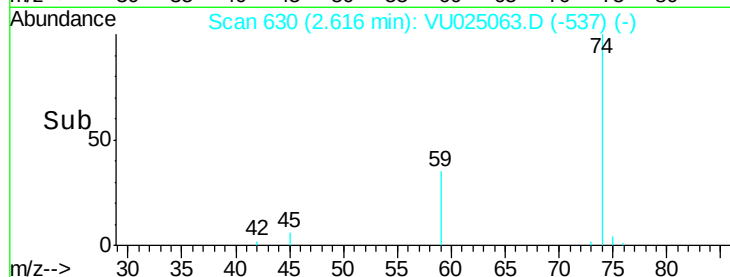
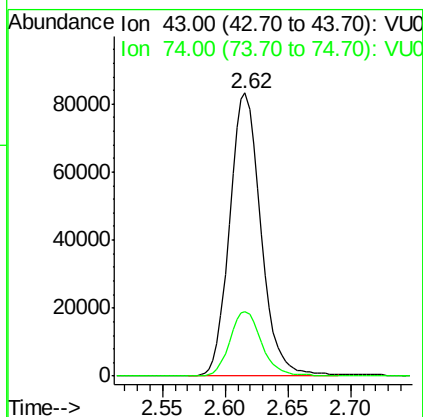
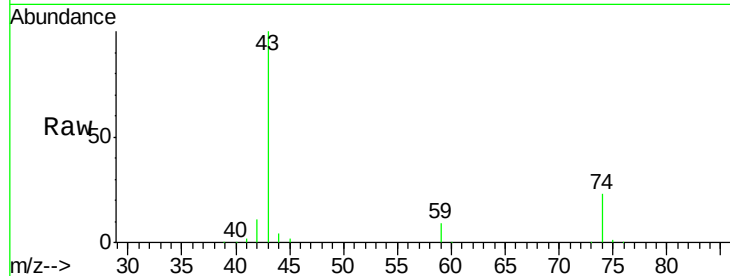




#15
Methyl Acetate
Concen: 48.295 ug/L
RT: 2.62 min Scan# 630
Delta R.T. 0.00 min
Lab File: VU025063.D
Acq: 29 Jun 2018 11:21

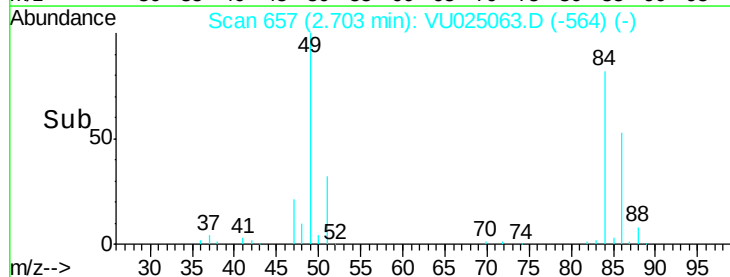
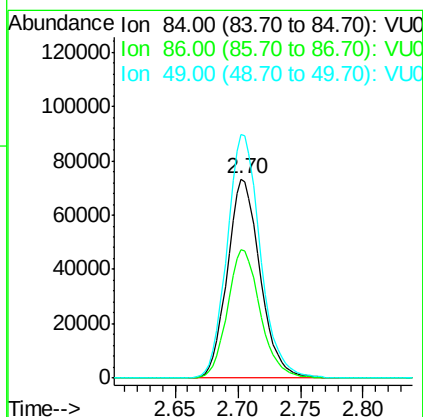
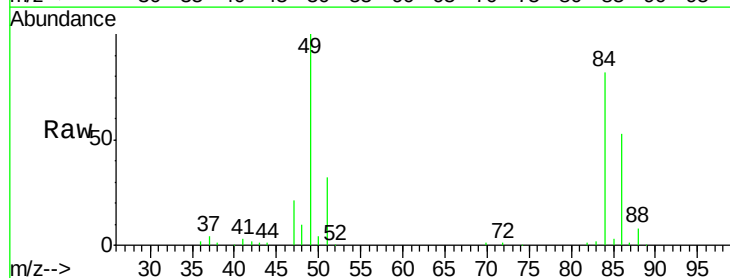
Instrument :
MSVOA_U
ClientSampleId :
VSTD05042

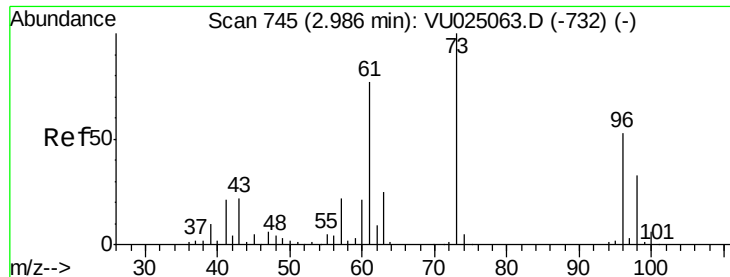
Tgt Ion: 43 Resp: 143580
Ion Ratio Lower Upper
43 100
74 23.3 18.6 28.0



#16
Methylene chloride
Concen: 48.726 ug/L
RT: 2.70 min Scan# 657
Delta R.T. 0.00 min
Lab File: VU025063.D
Acq: 29 Jun 2018 11:21

Tgt Ion: 84 Resp: 133755
Ion Ratio Lower Upper
84 100
86 64.2 44.9 83.5
49 122.3 85.6 159.0

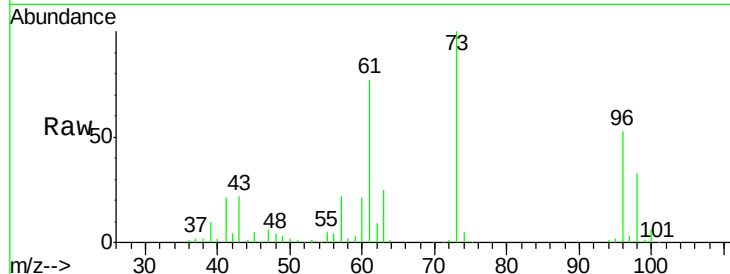




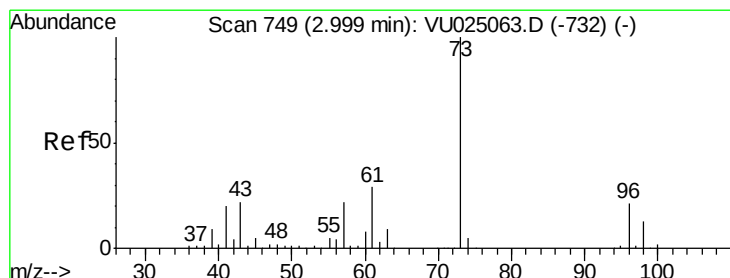
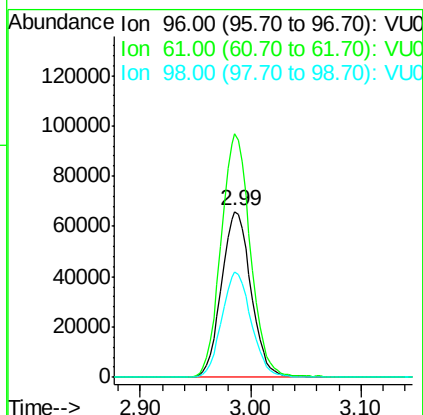
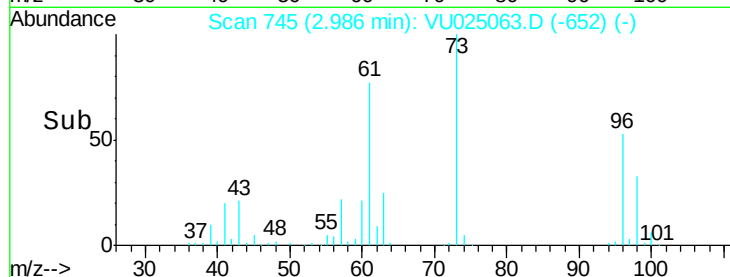
#17
 trans-1,2-Dichloroethene
 Concen: 48.671 ug/L
 RT: 2.99 min Scan# 745
 Delta R.T. 0.00 min
 Lab File: VU025063.D
 Acq: 29 Jun 2018 11:21

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05042

Tgt Ion: 96 Resp: 122532
 Ion Ratio Lower Upper
 96 100
 61 146.7 102.7 190.7
 98 63.5 44.4 82.5

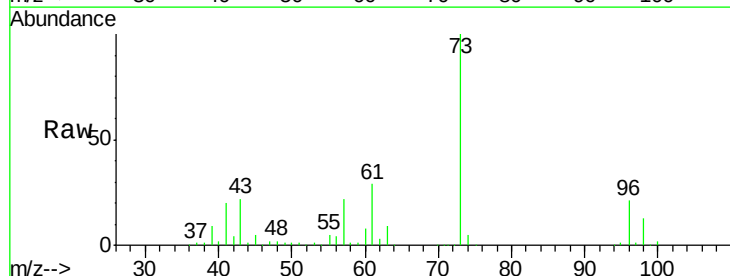


Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.00 (60.70 to 61.70): VU0
 Ion 98.00 (97.70 to 98.70): VU0

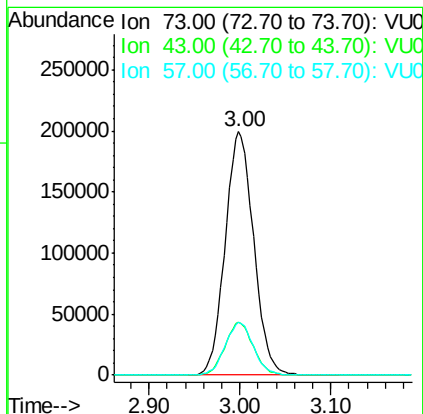
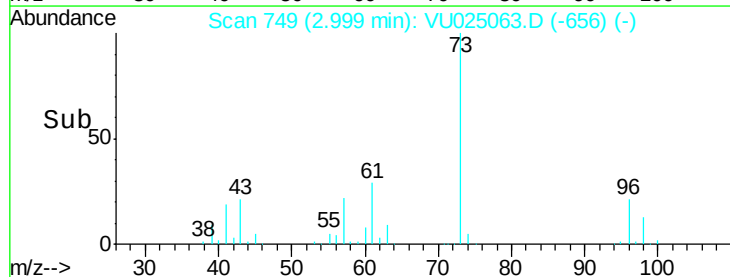


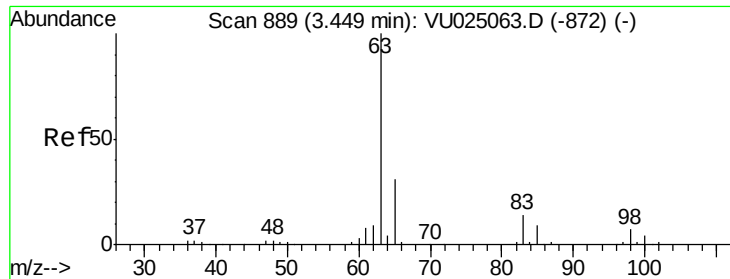
#18
 Methyl tert-butyl Ether
 Concen: 51.947 ug/L
 RT: 3.00 min Scan# 749
 Delta R.T. 0.00 min
 Lab File: VU025063.D
 Acq: 29 Jun 2018 11:21

Tgt Ion: 73 Resp: 432891
 Ion Ratio Lower Upper
 73 100
 43 21.5 17.2 25.8
 57 21.5 17.2 25.8



Abundance Ion 73.00 (72.70 to 73.70): VU0
 Ion 43.00 (42.70 to 43.70): VU0
 Ion 57.00 (56.70 to 57.70): VU0

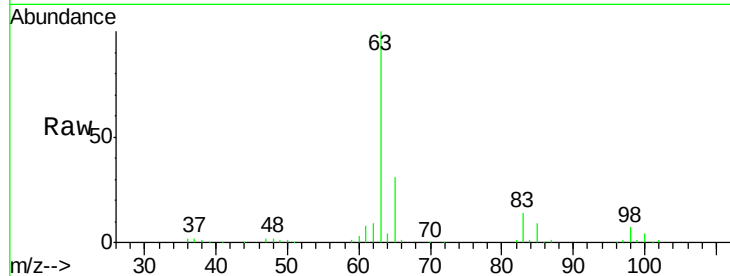




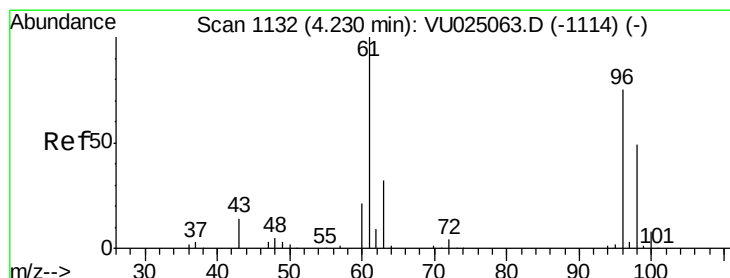
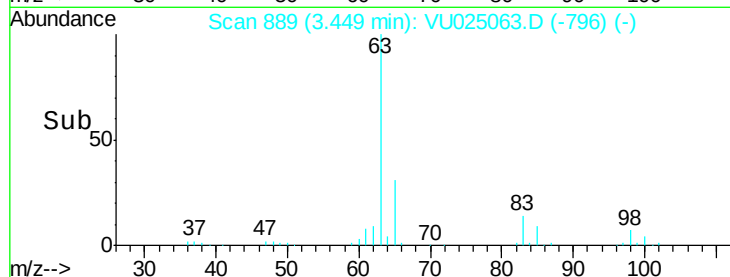
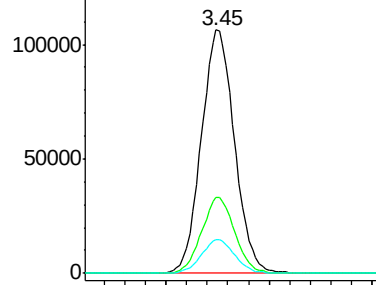
#19
 1,1-Dichloroethane
 Concen: 50.786 ug/L
 RT: 3.45 min Scan# 889
 Delta R.T. 0.00 min
 Lab File: VU025063.D
 Acq: 29 Jun 2018 11:21

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05042

Tgt Ion: 63 Resp: 237874
 Ion Ratio Lower Upper
 63 100
 65 31.3 21.9 40.7
 83 13.9 9.7 18.1

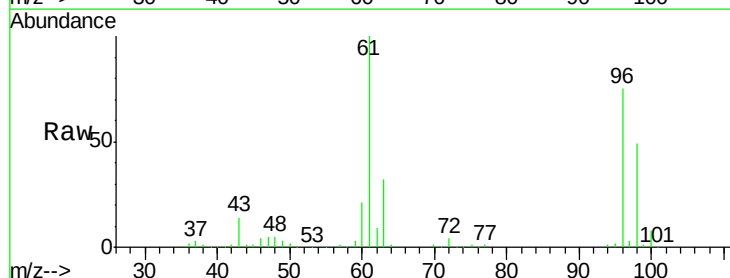


Abundance Ion 63.00 (62.70 to 63.70): VU0
 Ion 65.00 (64.70 to 65.70): VU0
 Ion 83.00 (82.70 to 83.70): VU0

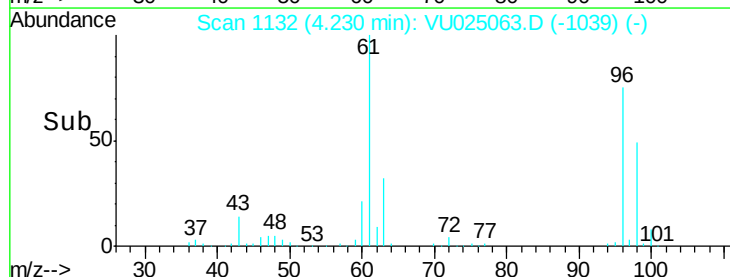
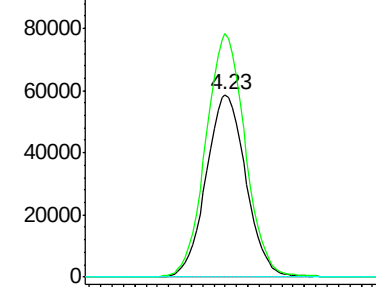


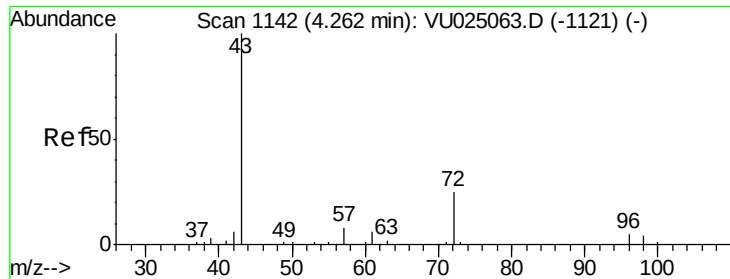
#20
 cis-1,2-Dichloroethene
 Concen: 48.731 ug/L
 RT: 4.23 min Scan# 1132
 Delta R.T. 0.00 min
 Lab File: VU025063.D
 Acq: 29 Jun 2018 11:21

Tgt Ion: 96 Resp: 143207
 Ion Ratio Lower Upper
 96 100
 61 133.5 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: 92.732 ug/L

RT: 4.26 min Scan# 1142

Delta R.T. 0.00 min

Lab File: VU025063.D

Acq: 29 Jun 2018 11:21

Instrument :

MSVOA_U

ClientSampleId :

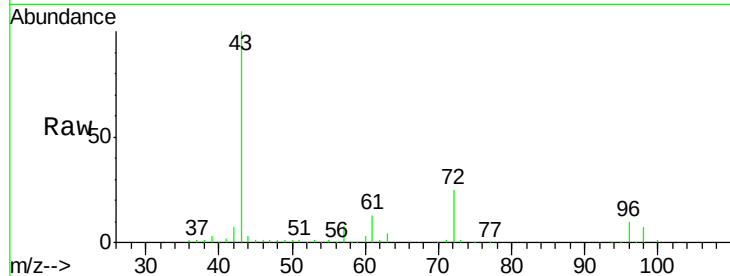
VSTD05042

Tgt Ion: 43 Resp: 227808

Ion Ratio Lower Upper

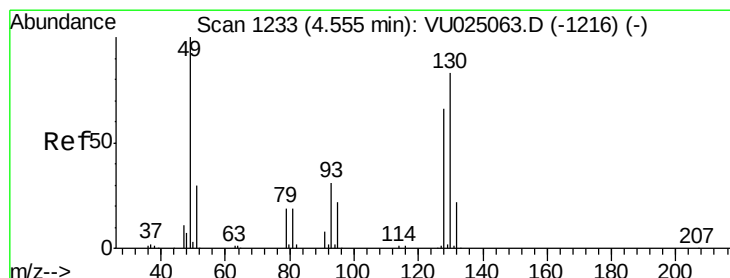
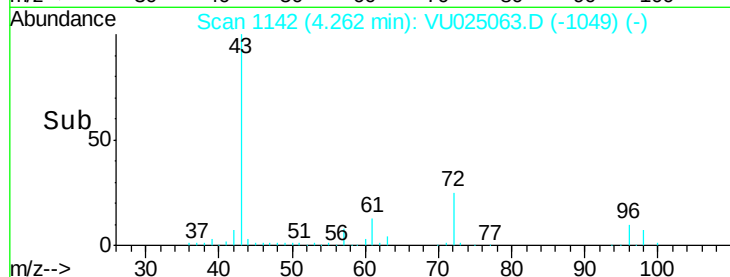
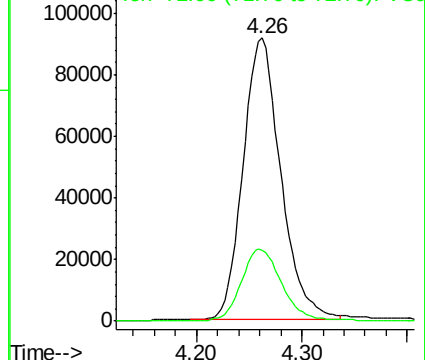
43 100

72 27.3 13.7 41.0



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 72.00 (71.70 to 72.70): VU0



#23

Bromochloromethane

Concen: 50.306 ug/L

RT: 4.55 min Scan# 1233

Delta R.T. 0.00 min

Lab File: VU025063.D

Acq: 29 Jun 2018 11:21

Tgt Ion: 128 Resp: 74261

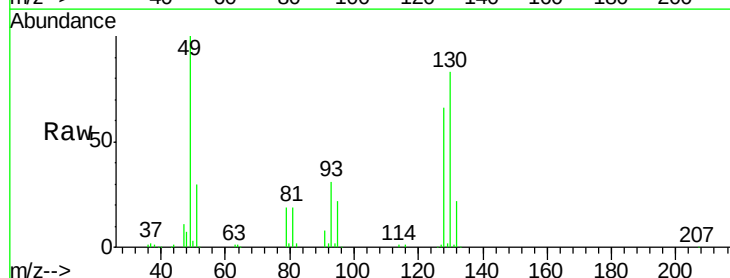
Ion Ratio Lower Upper

128 100

49 151.6 106.1 197.1

130 125.3 87.7 162.9

51 46.0 36.8 55.2

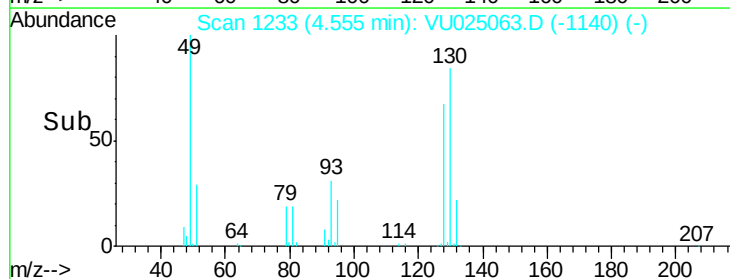
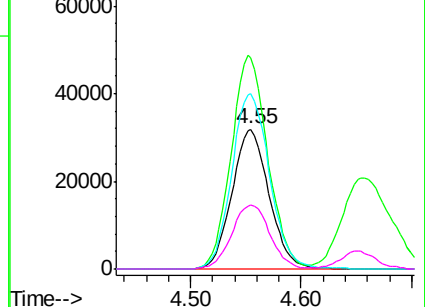


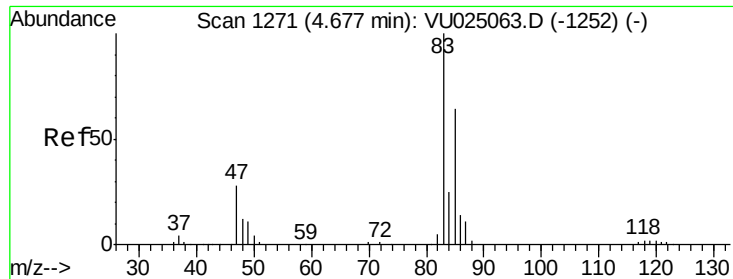
Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VU0

Ion 130.00 (129.70 to 130.70): V

Ion 51.00 (50.70 to 51.70): VU0

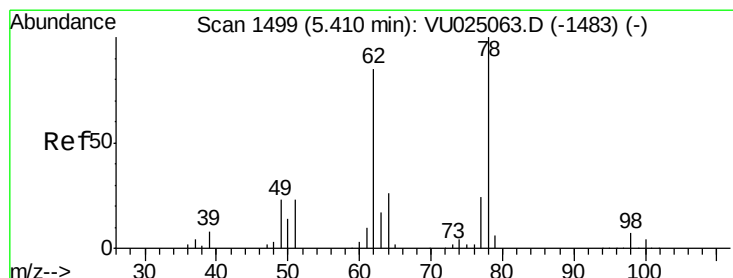
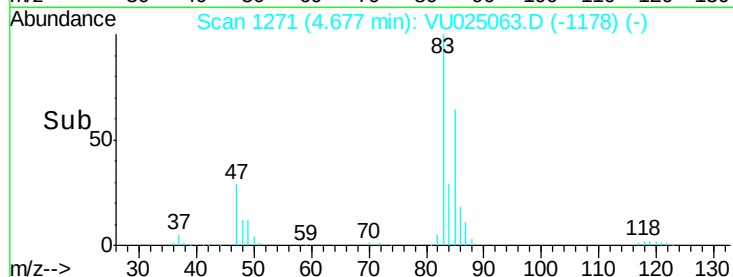
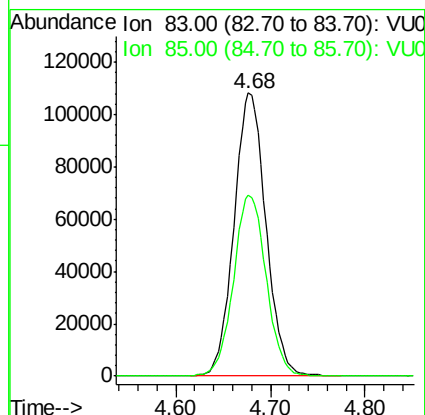
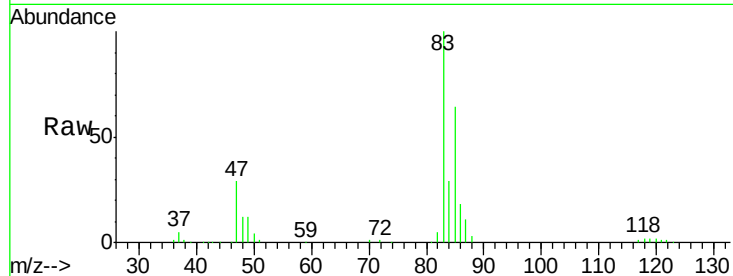




#25
Chloroform
Concen: 52.025 ug/L
RT: 4.68 min Scan# 1271
Delta R.T. 0.00 min
Lab File: VU025063.D
Acq: 29 Jun 2018 11:21

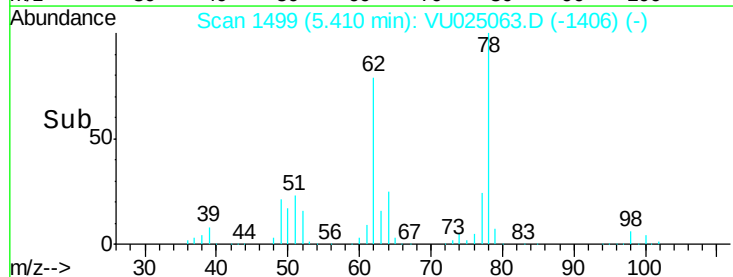
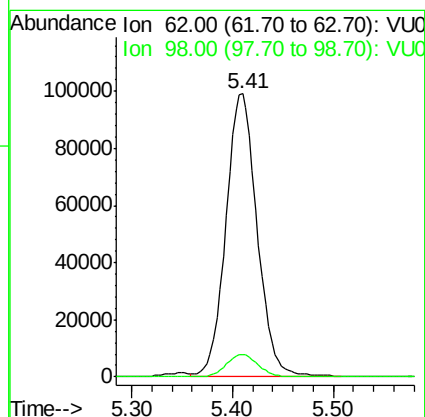
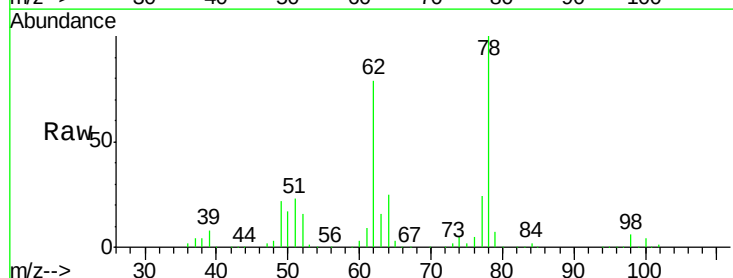
Instrument :
MSVOA_U
ClientSampleId :
VSTD05042

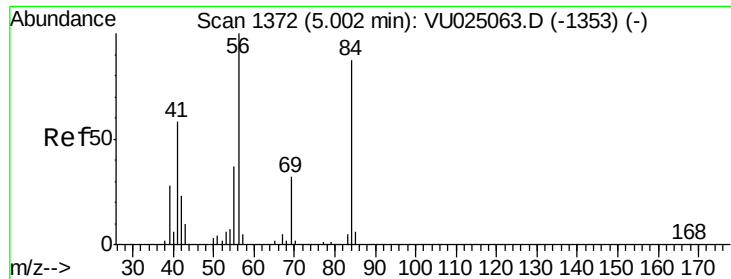
Tgt Ion: 83 Resp: 253392
Ion Ratio Lower Upper
83 100
85 63.9 44.7 83.1



#27
1,2-Dichloroethane
Concen: 55.857 ug/L
RT: 5.41 min Scan# 1499
Delta R.T. 0.00 min
Lab File: VU025063.D
Acq: 29 Jun 2018 11:21

Tgt Ion: 62 Resp: 212751
Ion Ratio Lower Upper
62 100
98 8.0 6.4 9.6

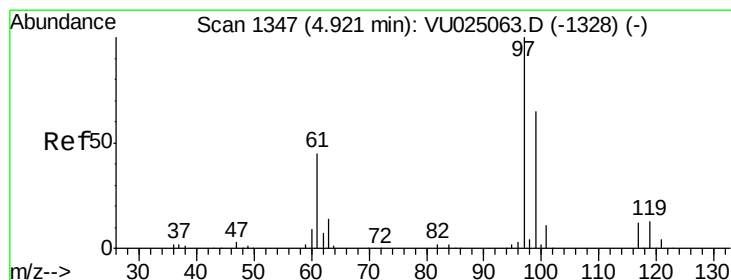
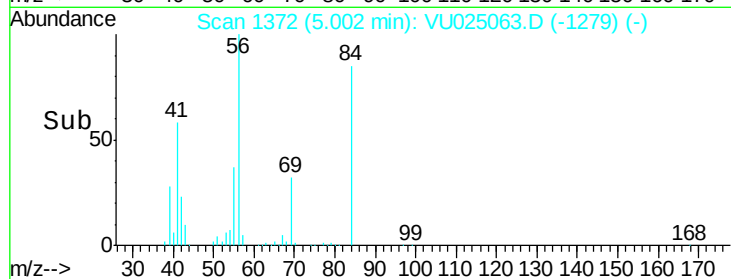
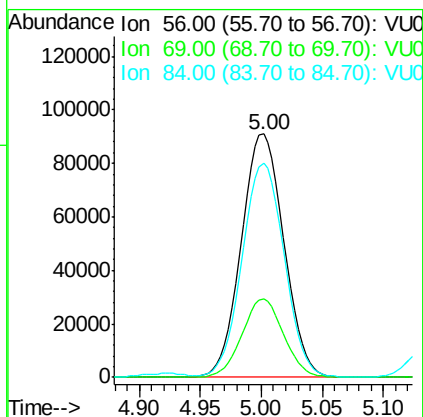
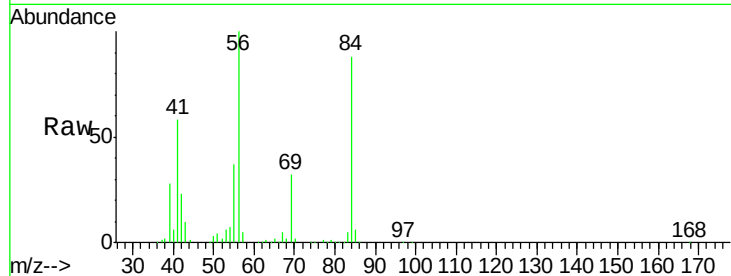




#29
Cyclohexane
Concen: 51.129 ug/L
RT: 5.00 min Scan# 1372
Delta R.T. 0.00 min
Lab File: VU025063.D
Acq: 29 Jun 2018 11:21

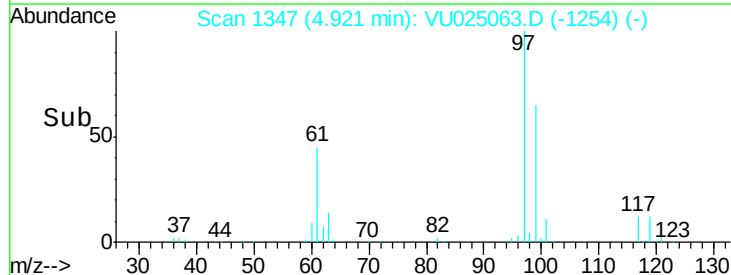
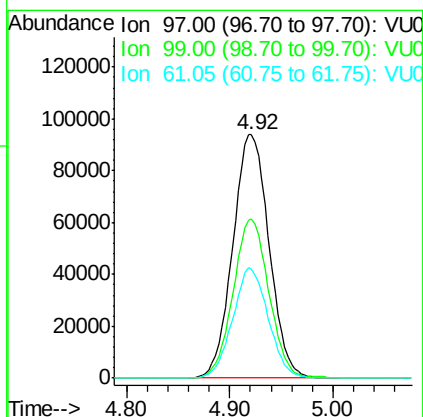
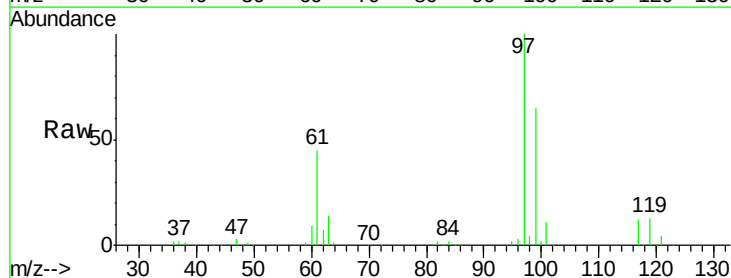
Instrument :
MSVOA_U
ClientSampleId :
VSTD05042

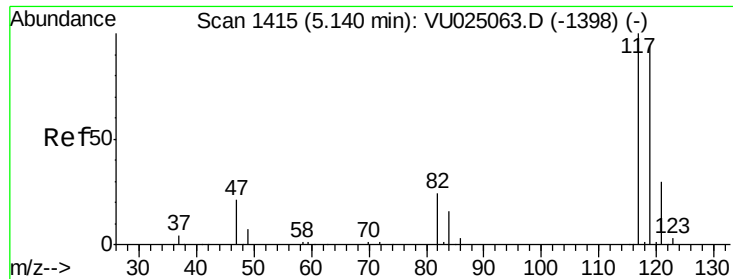
Tgt Ion: 56 Resp: 220203
Ion Ratio Lower Upper
56 100
69 31.3 25.0 37.6
84 87.5 70.0 105.0



#30
1,1,1-Trichloroethane
Concen: 53.551 ug/L
RT: 4.92 min Scan# 1347
Delta R.T. 0.00 min
Lab File: VU025063.D
Acq: 29 Jun 2018 11:21

Tgt Ion: 97 Resp: 229624
Ion Ratio Lower Upper
97 100
99 64.3 51.4 77.2
61 44.4 35.5 53.3





#31

Carbon tetrachloride

Concen: 52.350 ug/L

RT: 5.14 min Scan# 1415

Delta R.T. 0.00 min

Lab File: VU025063.D

Acq: 29 Jun 2018 11:21

Instrument :

MSVOA_U

ClientSampleId :

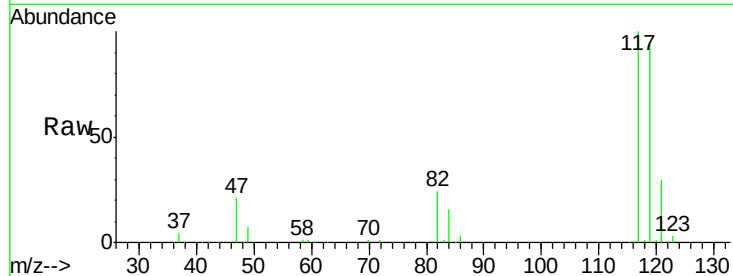
VSTD05042

Tgt Ion:117 Resp: 204067

Ion Ratio Lower Upper

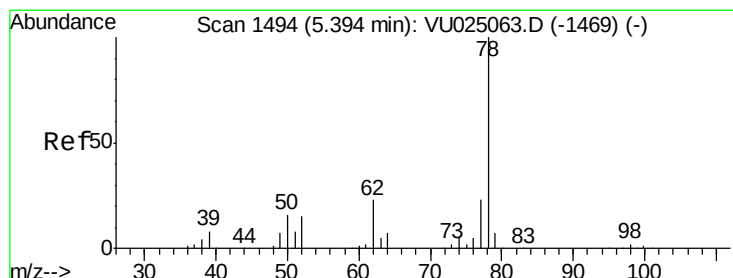
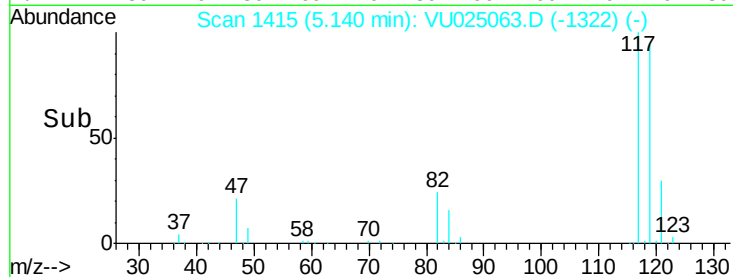
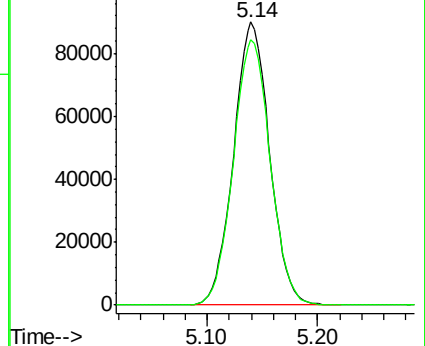
117 100

119 96.0 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: 50.693 ug/L

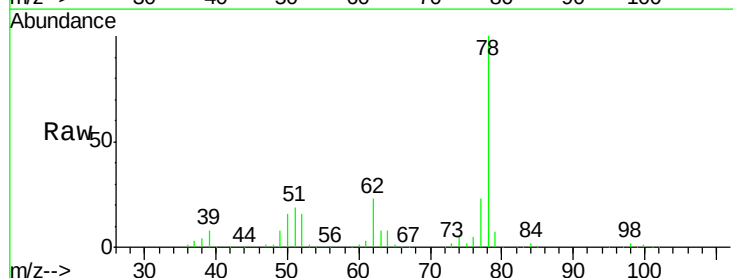
RT: 5.39 min Scan# 1494

Delta R.T. 0.00 min

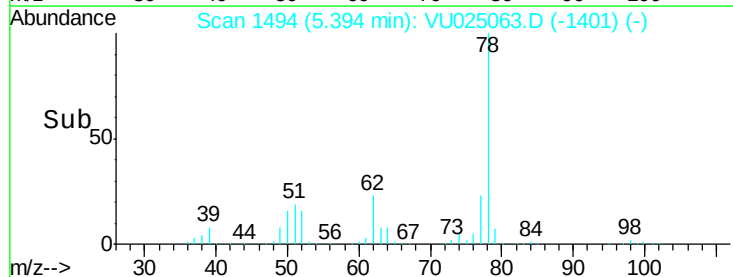
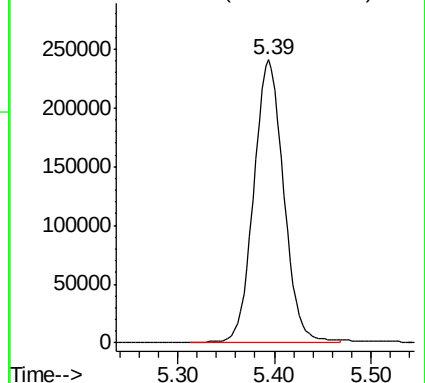
Lab File: VU025063.D

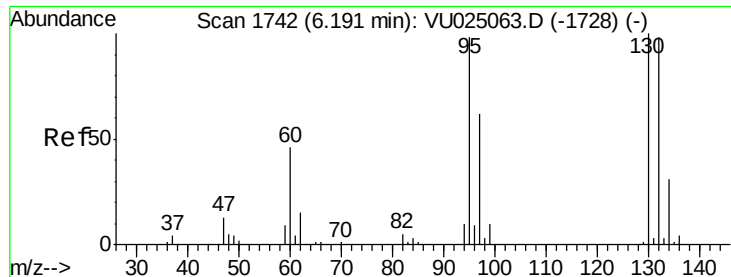
Acq: 29 Jun 2018 11:21

Tgt Ion: 78 Resp: 518631



Abundance Ion 78.00 (77.70 to 78.70): VU0

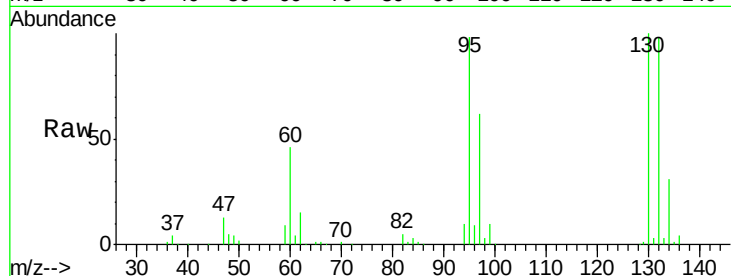




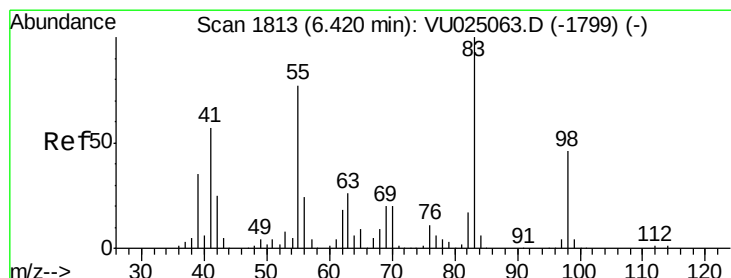
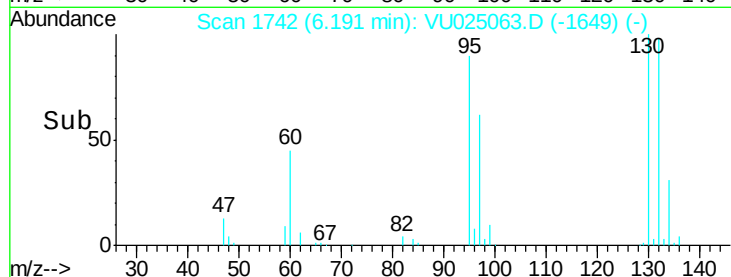
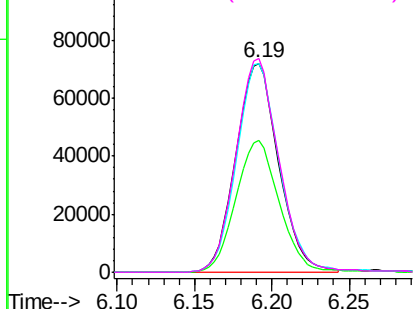
#34
 Trichloroethene
 Concen: 49.102 ug/L
 RT: 6.19 min Scan# 1742
 Delta R.T. 0.00 min
 Lab File: VU025063.D
 Acq: 29 Jun 2018 11:21

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05042

Tgt Ion: 95 Resp: 138173
 Ion Ratio Lower Upper
 95 100
 97 63.0 44.1 81.9
 132 100.3 70.2 130.4
 130 102.4 71.7 133.1

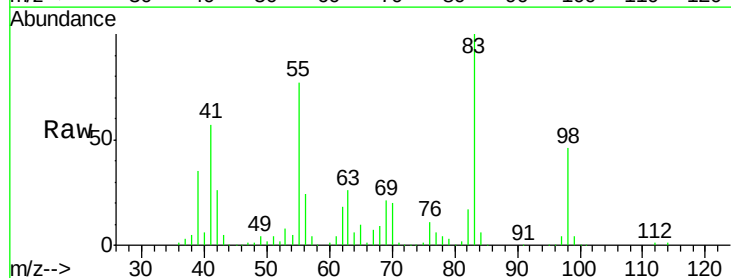


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 97.00 (96.70 to 97.70): VU0
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

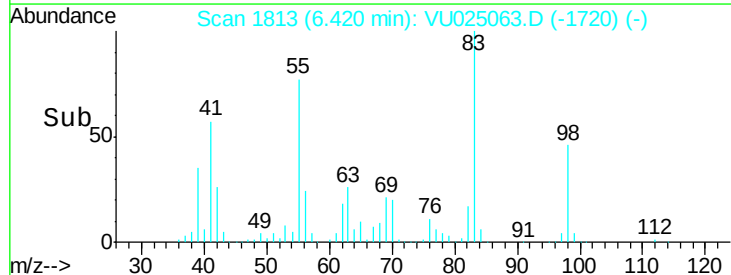
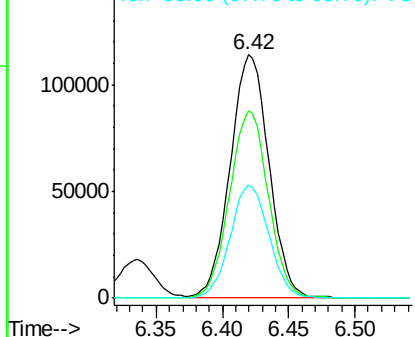


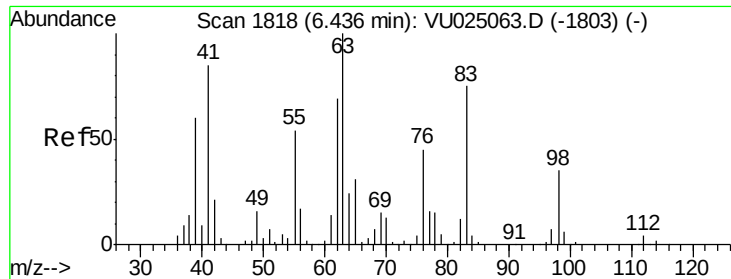
#35
 Methylcyclohexane
 Concen: 51.077 ug/L
 RT: 6.42 min Scan# 1813
 Delta R.T. 0.00 min
 Lab File: VU025063.D
 Acq: 29 Jun 2018 11:21

Tgt Ion: 83 Resp: 231353
 Ion Ratio Lower Upper
 83 100
 55 77.2 61.8 92.6
 98 46.7 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

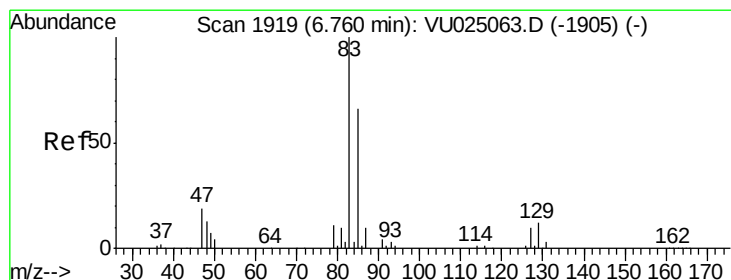
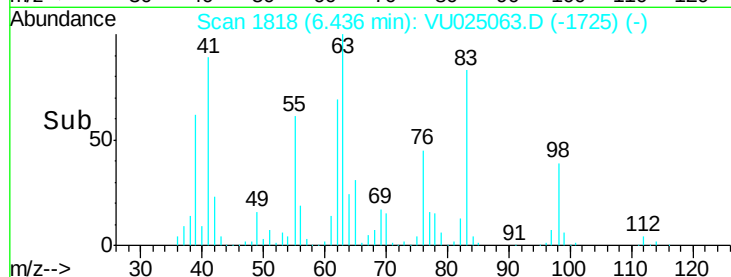
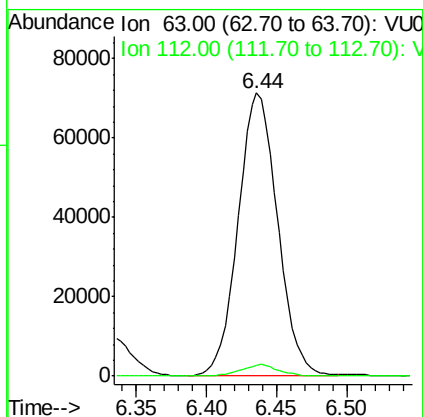
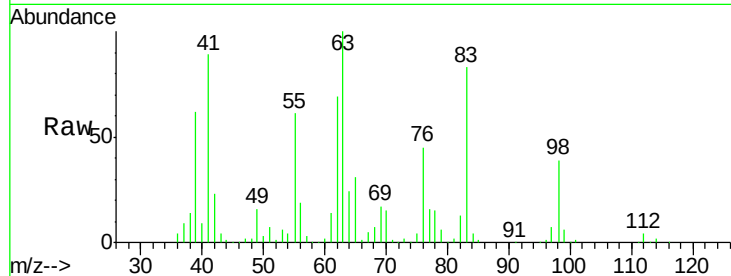




#37
 1,2-Dichloropropane
 Concen: 49.138 ug/L
 RT: 6.44 min Scan# 1818
 Delta R.T. 0.00 min
 Lab File: VU025063.D
 Acq: 29 Jun 2018 11:21

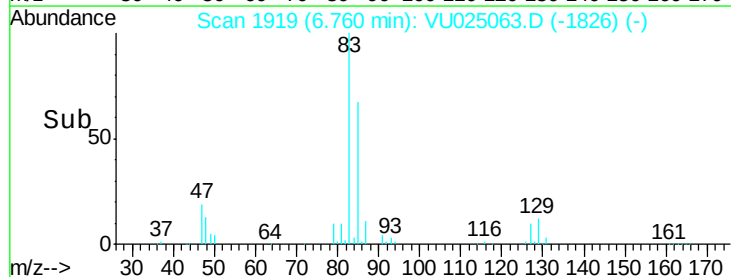
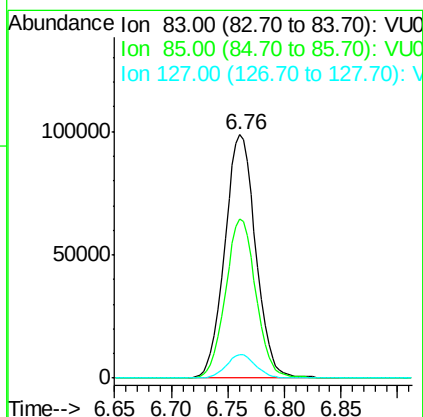
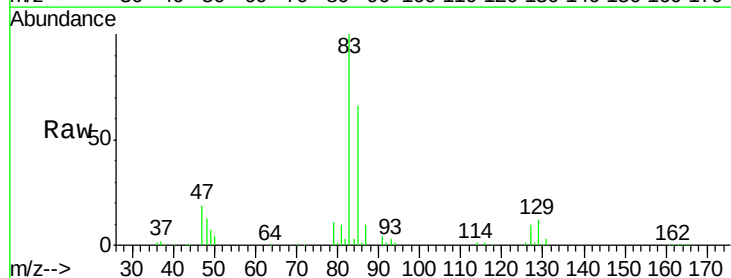
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05042

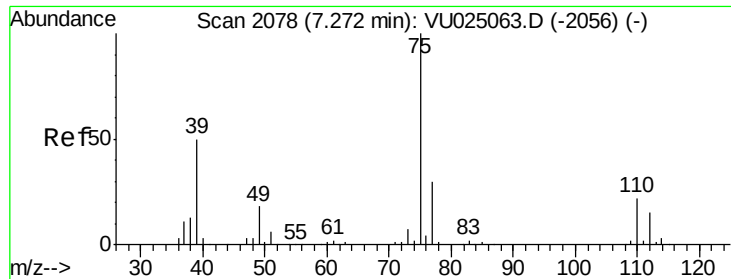
Tgt Ion: 63 Resp: 139203
 Ion Ratio Lower Upper
 63 100
 112 4.0 3.2 4.8



#38
 Bromodichloromethane
 Concen: 50.215 ug/L
 RT: 6.76 min Scan# 1919
 Delta R.T. 0.00 min
 Lab File: VU025063.D
 Acq: 29 Jun 2018 11:21

Tgt Ion: 83 Resp: 187565
 Ion Ratio Lower Upper
 83 100
 85 65.6 45.9 85.3
 127 9.6 7.7 11.5

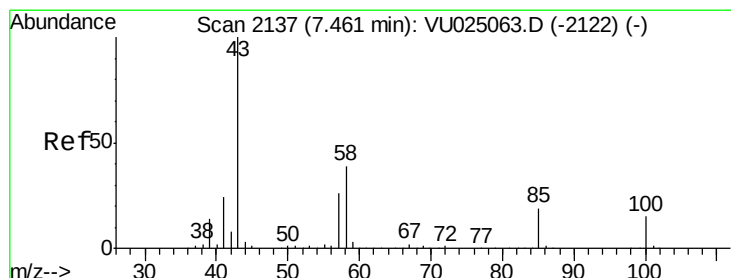
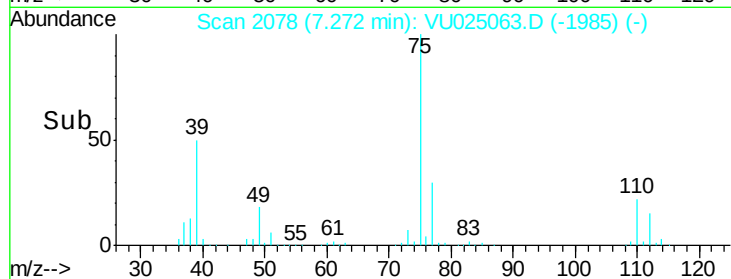
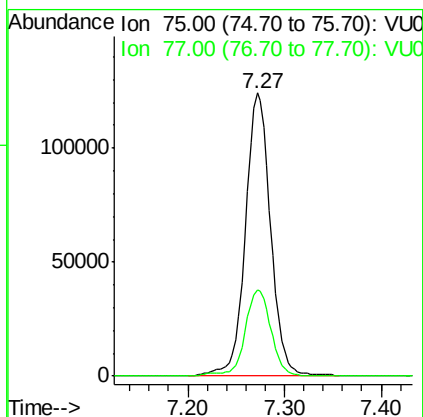
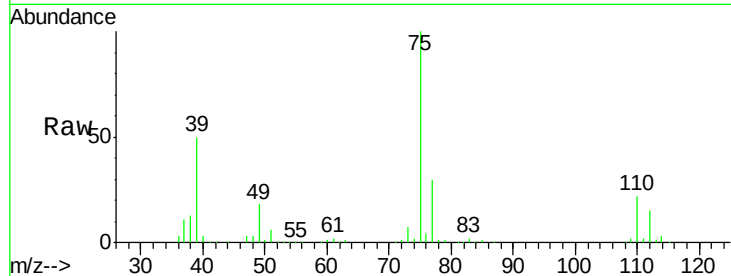




#39
 cis-1,3-Dichloropropene
 Concen: 50.114 ug/L
 RT: 7.27 min Scan# 2078
 Delta R.T. 0.00 min
 Lab File: VU025063.D
 Acq: 29 Jun 2018 11:21

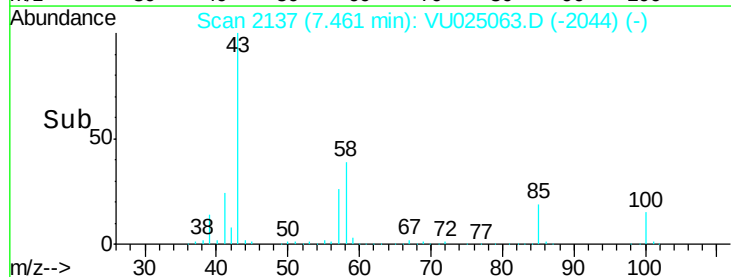
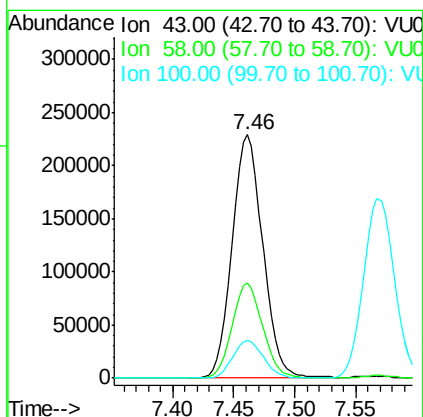
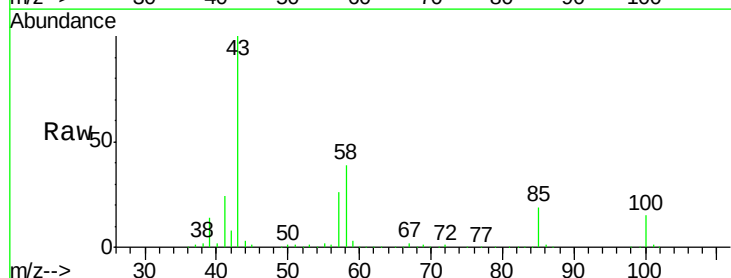
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05042

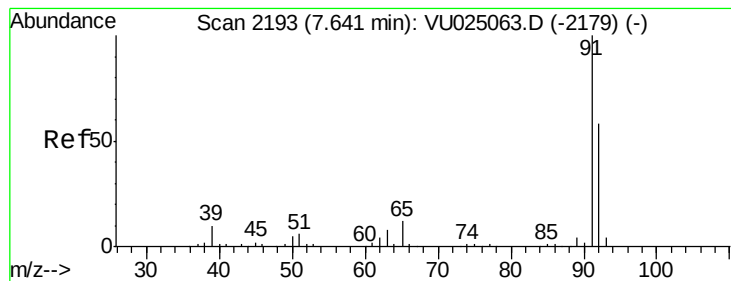
Tgt Ion: 75 Resp: 224394
 Ion Ratio Lower Upper
 75 100
 77 30.4 21.3 39.5



#40
 4-Methyl-2-pentanone
 Concen: 95.804 ug/L
 RT: 7.46 min Scan# 2137
 Delta R.T. 0.00 min
 Lab File: VU025063.D
 Acq: 29 Jun 2018 11:21

Tgt Ion: 43 Resp: 401438
 Ion Ratio Lower Upper
 43 100
 58 38.8 31.0 46.6
 100 15.4 12.3 18.5





#42

Toluene

Concen: 49.990 ug/L

RT: 7.64 min Scan# 2193

Delta R.T. 0.00 min

Lab File: VU025063.D

Acq: 29 Jun 2018 11:21

Instrument :

MSVOA_U

ClientSampleId :

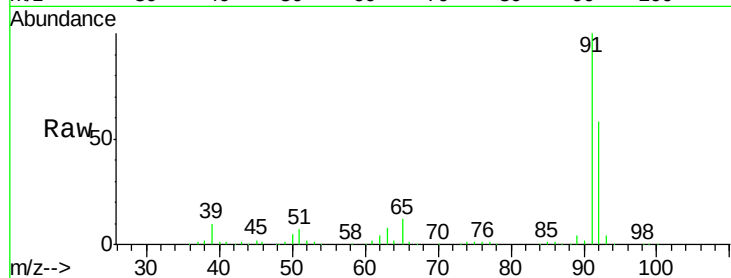
VSTD05042

Tgt Ion: 91 Resp: 567910

Ion Ratio Lower Upper

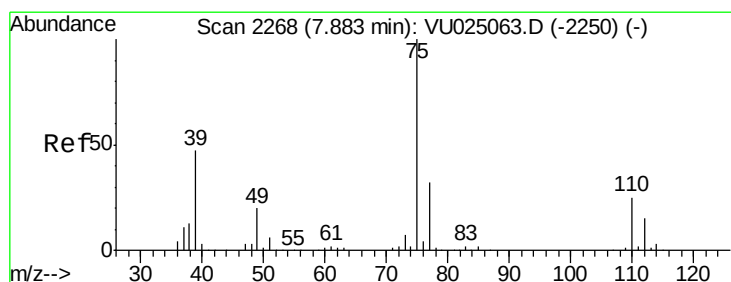
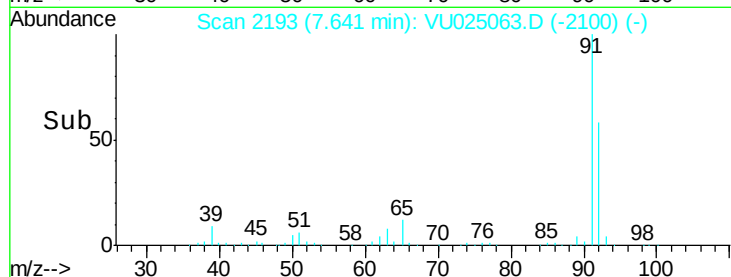
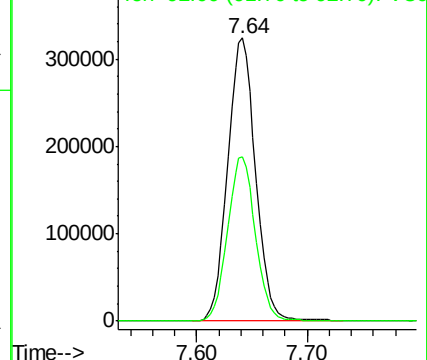
91 100

92 58.1 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: 51.069 ug/L

RT: 7.88 min Scan# 2268

Delta R.T. 0.00 min

Lab File: VU025063.D

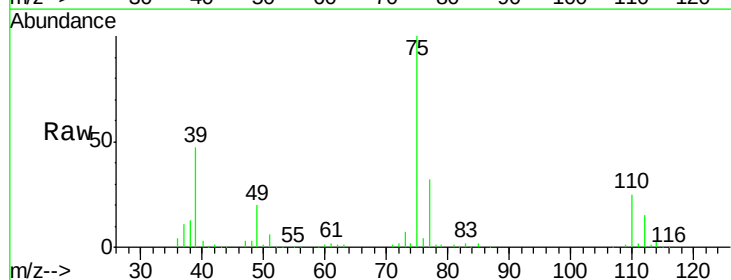
Acq: 29 Jun 2018 11:21

Tgt Ion: 75 Resp: 207687

Ion Ratio Lower Upper

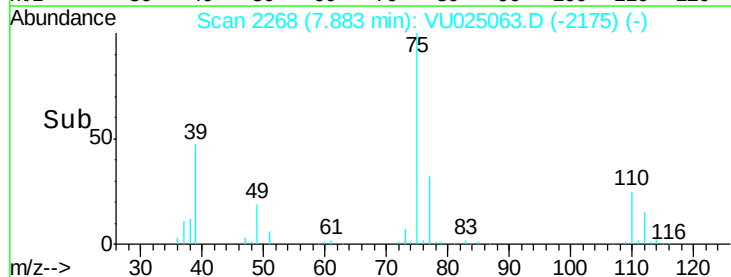
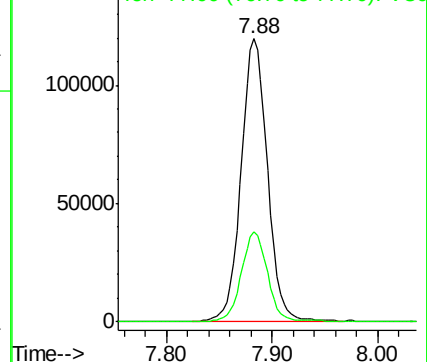
75 100

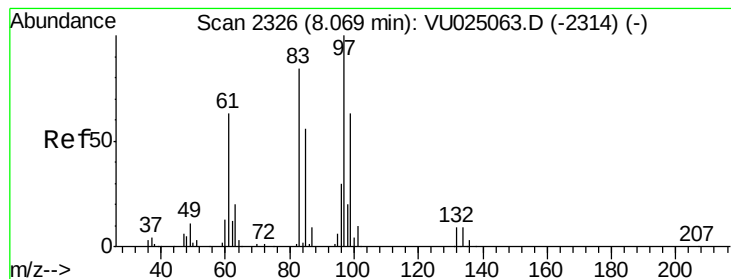
77 31.6 22.1 41.1



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: 50.108 ug/L

RT: 8.07 min Scan# 2326

Delta R.T. 0.00 min

Lab File: VU025063.D

Acq: 29 Jun 2018 11:21

Instrument :

MSVOA_U

ClientSampleId :

VSTD05042

Tgt Ion: 97 Resp: 134007

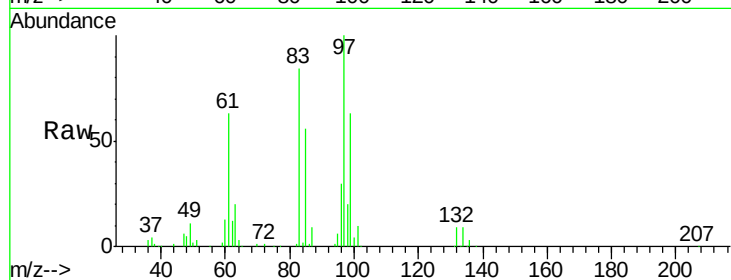
Ion Ratio Lower Upper

97 100

99 63.0 44.1 81.9

83 83.8 58.7 108.9

85 55.7 39.0 72.4

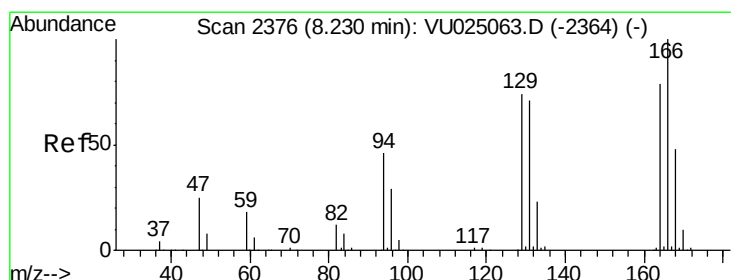
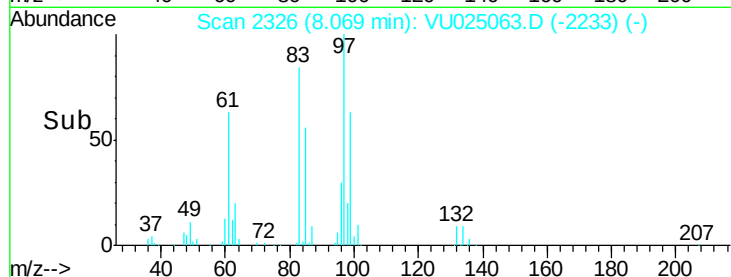
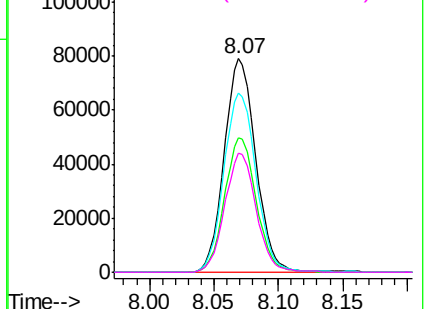


Abundance Ion 97.00 (96.70 to 97.70): VU0

Ion 99.00 (98.70 to 99.70): VU0

Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0



#46

Tetrachloroethene

Concen: 49.726 ug/L

RT: 8.23 min Scan# 2376

Delta R.T. 0.00 min

Lab File: VU025063.D

Acq: 29 Jun 2018 11:21

Tgt Ion:164 Resp: 117500

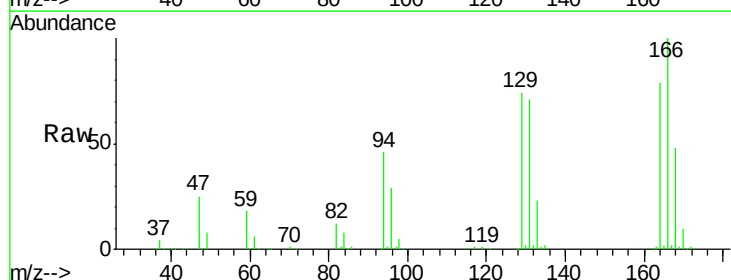
Ion Ratio Lower Upper

164 100

129 94.5 66.1 122.8

131 89.6 62.7 116.5

166 126.9 88.8 165.0

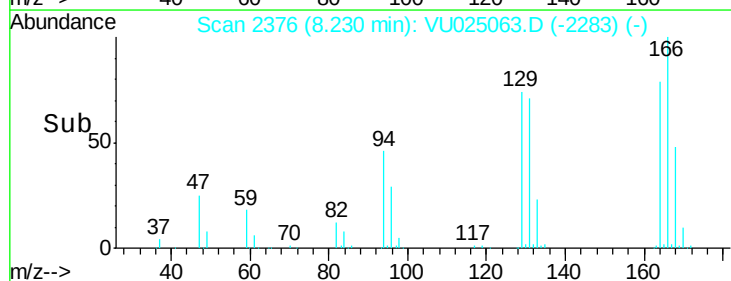
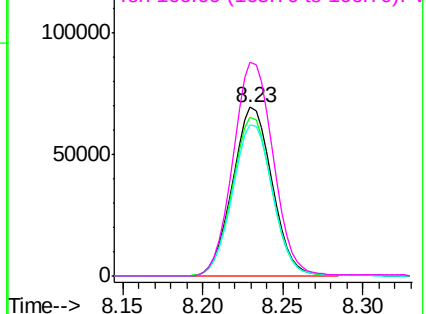


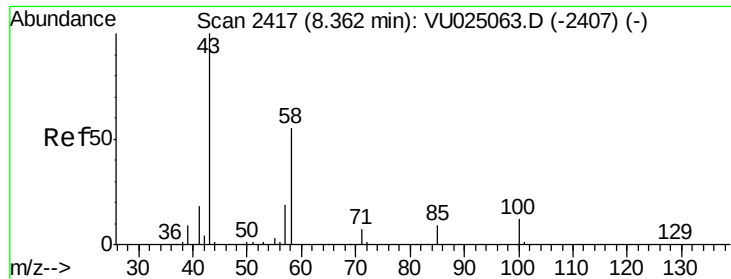
Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V

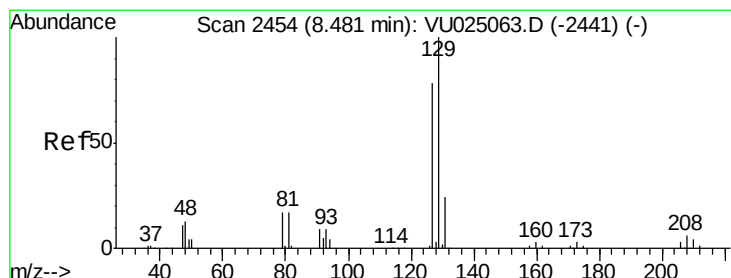
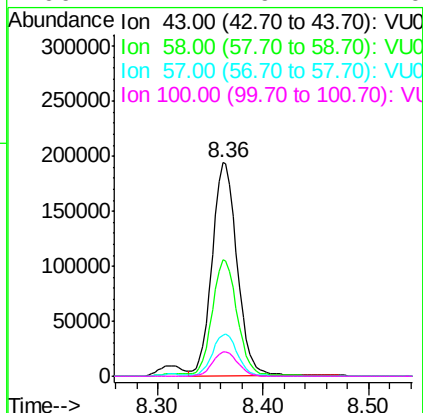
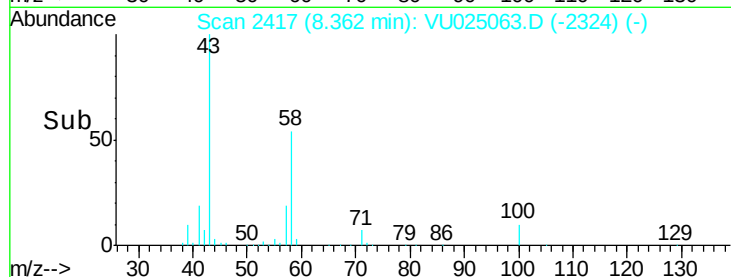
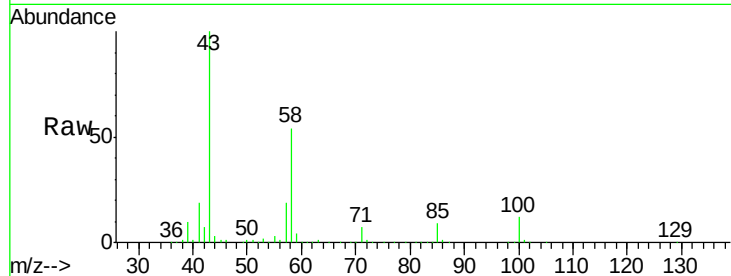




#48
2-Hexanone
Concen: 94.827 ug/L
RT: 8.36 min Scan# 2417
Delta R.T. 0.00 min
Lab File: VU025063.D
Acq: 29 Jun 2018 11:21

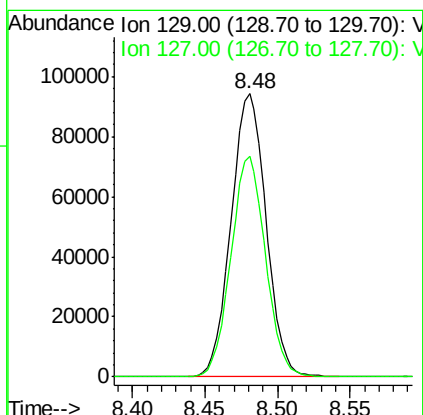
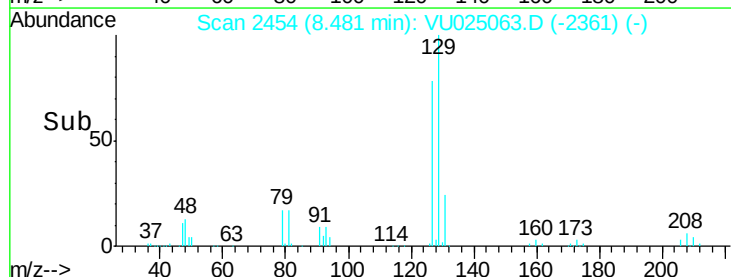
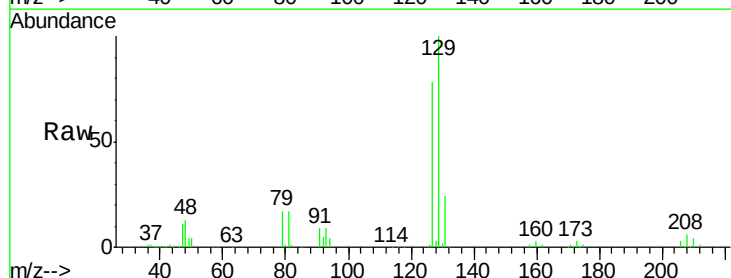
Instrument :
MSVOA_U
ClientSampleId :
VSTD05042

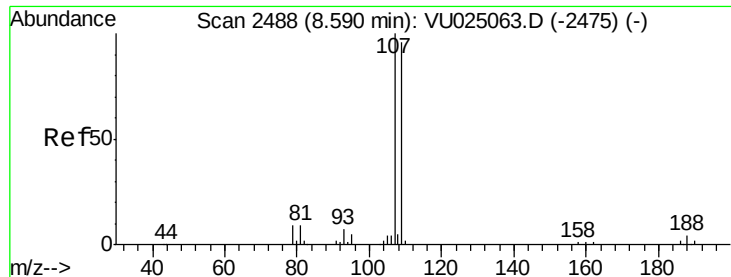
Tgt Ion: 43 Resp: 321193
Ion Ratio Lower Upper
43 100
58 54.0 43.2 64.8
57 19.8 15.8 23.8
100 11.7 9.4 14.0



#49
Dibromochloromethane
Concen: 48.915 ug/L
RT: 8.48 min Scan# 2454
Delta R.T. 0.00 min
Lab File: VU025063.D
Acq: 29 Jun 2018 11:21

Tgt Ion: 129 Resp: 158490
Ion Ratio Lower Upper
129 100
127 78.0 54.6 101.4

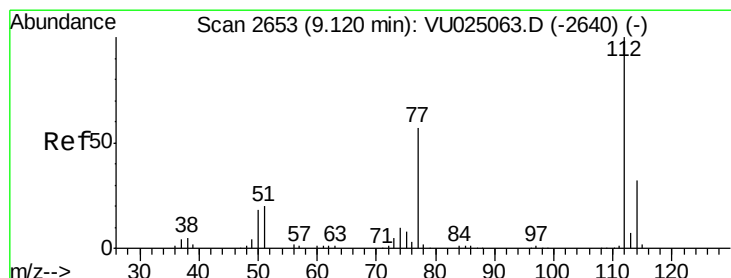
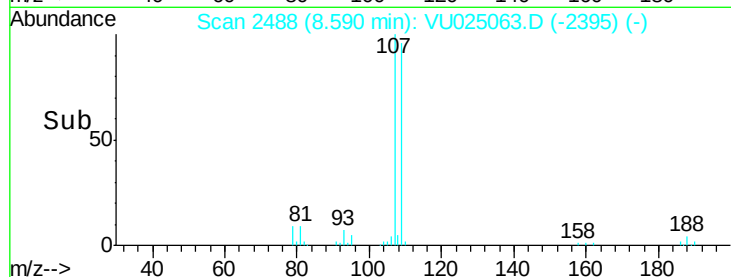
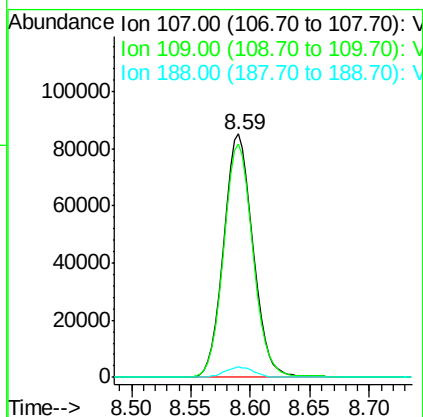
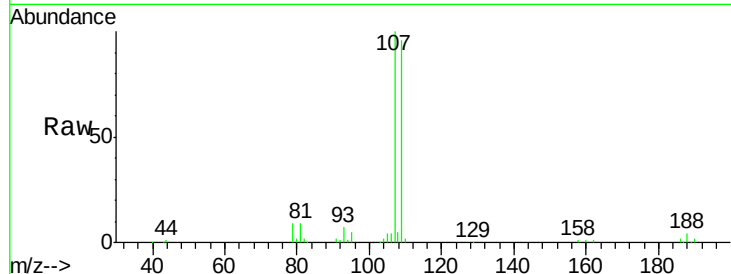




#50
 1,2-Dibromoethane
 Concen: 49.857 ug/L
 RT: 8.59 min Scan# 2488
 Delta R.T. 0.00 min
 Lab File: VU025063.D
 Acq: 29 Jun 2018 11:21

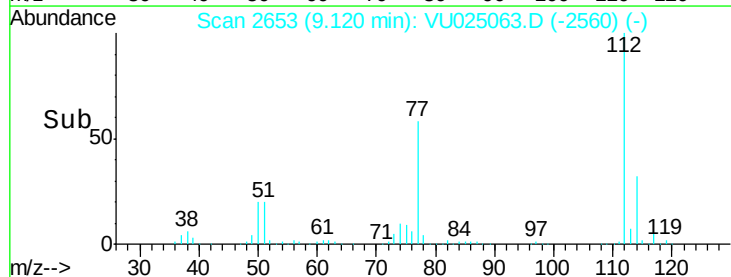
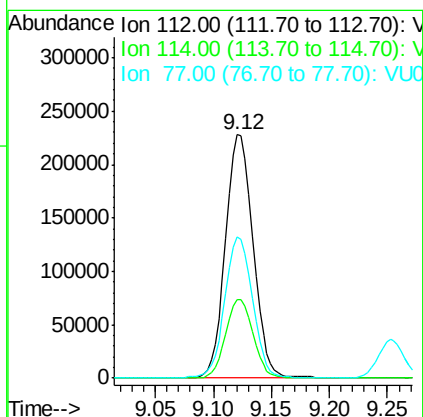
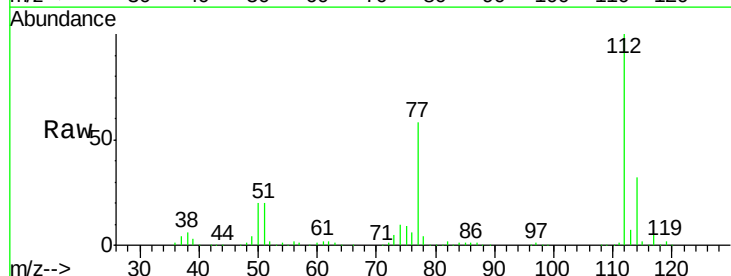
Instrument :
 MSVOA_U
 ClientSampled :
 VSTD05042

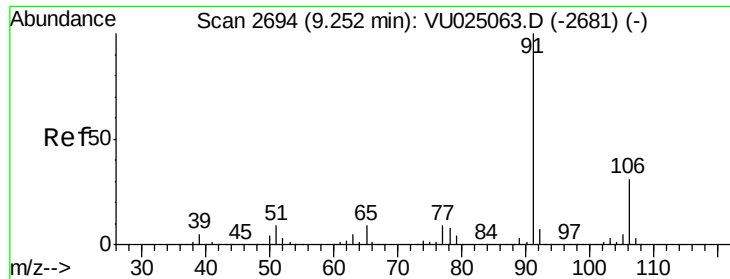
Tgt Ion:107 Resp: 145945
 Ion Ratio Lower Upper
 107 100
 109 95.8 67.1 124.5
 188 4.2 3.4 5.0



#51
 Chlorobenzene
 Concen: 49.683 ug/L
 RT: 9.12 min Scan# 2653
 Delta R.T. 0.00 min
 Lab File: VU025063.D
 Acq: 29 Jun 2018 11:21

Tgt Ion:112 Resp: 376388
 Ion Ratio Lower Upper
 112 100
 114 32.4 22.7 42.1
 77 57.8 46.2 69.4

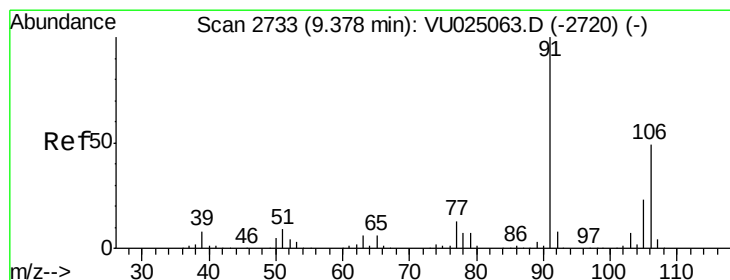
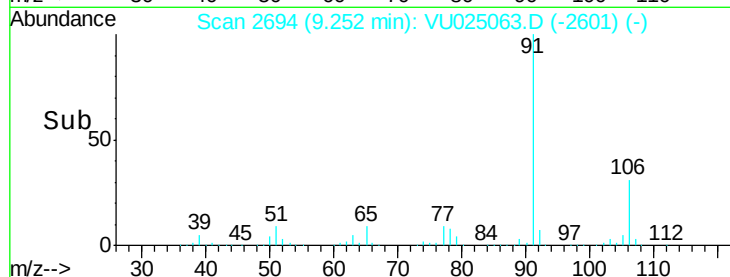
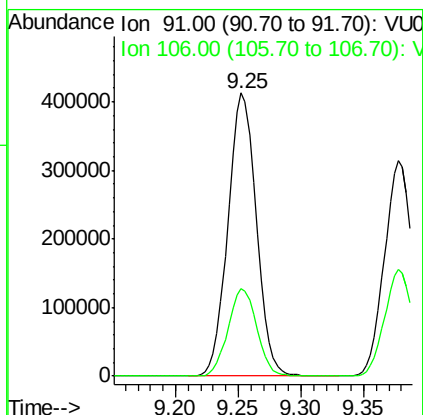
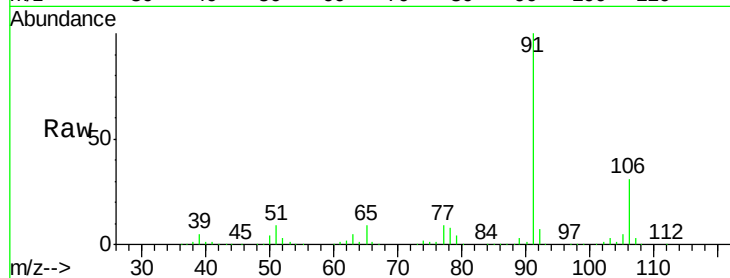




#52
Ethylbenzene
Concen: 49.909 ug/L
RT: 9.25 min Scan# 2694
Delta R.T. 0.00 min
Lab File: VU025063.D
Acq: 29 Jun 2018 11:21

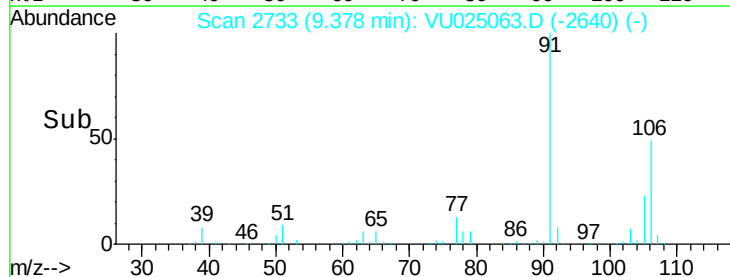
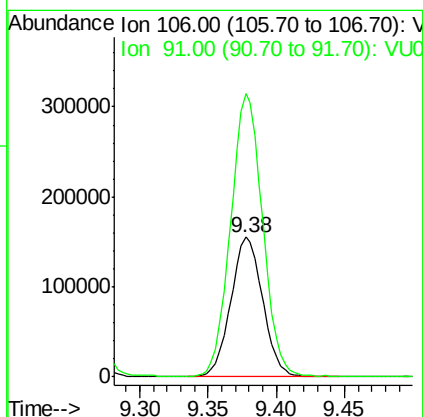
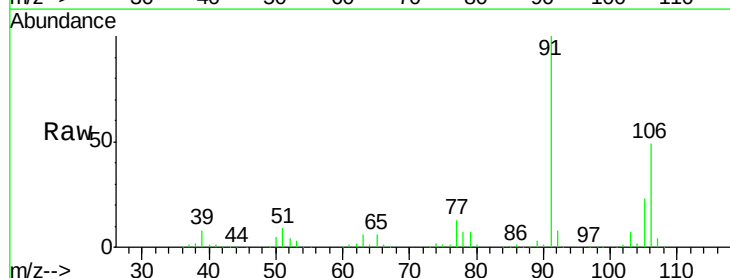
Instrument :
MSVOA_U
ClientSampleId :
VSTD05042

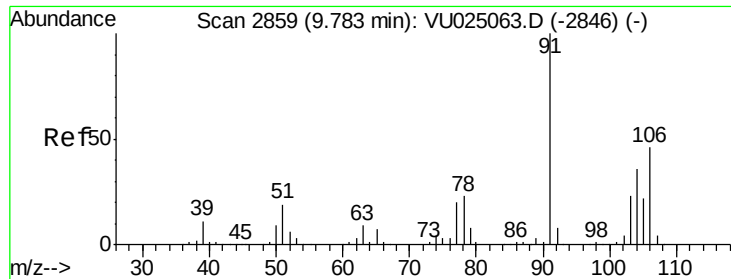
Tgt Ion: 91 Resp: 648462
Ion Ratio Lower Upper
91 100
106 30.9 21.6 40.2



#53
m,p-Xylene
Concen: 50.134 ug/L
RT: 9.38 min Scan# 2733
Delta R.T. 0.00 min
Lab File: VU025063.D
Acq: 29 Jun 2018 11:21

Tgt Ion: 106 Resp: 250697
Ion Ratio Lower Upper
106 100
91 202.9 142.0 263.8

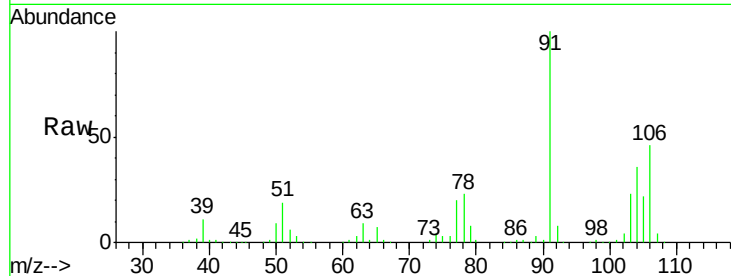




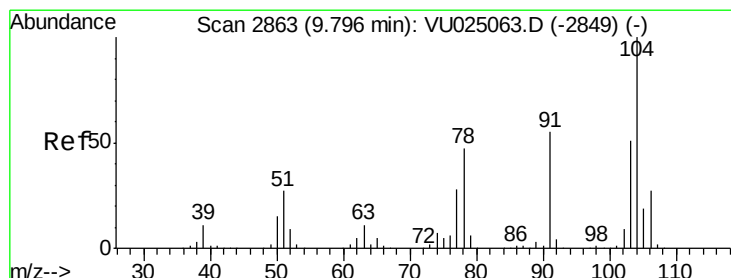
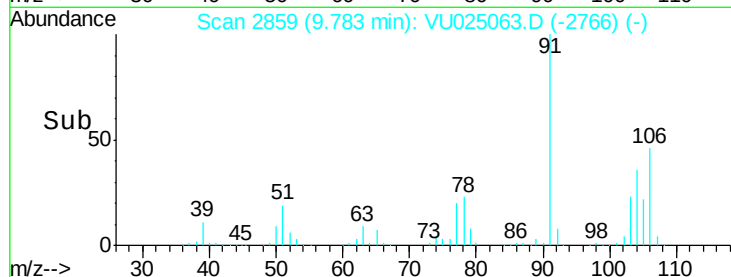
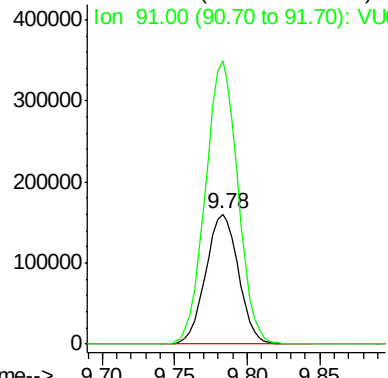
#54
o-xylene
Concen: 50.722 ug/L
RT: 9.78 min Scan# 2859
Delta R.T. 0.00 min
Lab File: VU025063.D
Acq: 29 Jun 2018 11:21

Instrument :
MSVOA_U
ClientSampleId :
VSTD05042

Tgt Ion:106 Resp: 251408
Ion Ratio Lower Upper
106 100
91 217.2 152.0 282.4

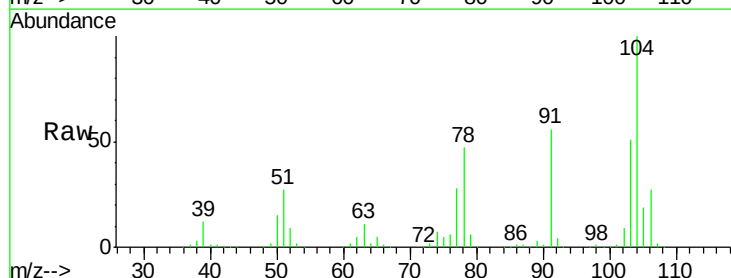


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

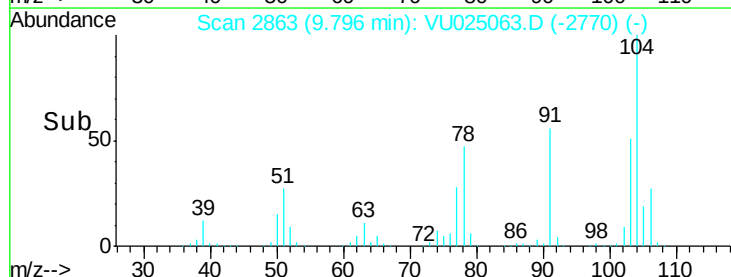
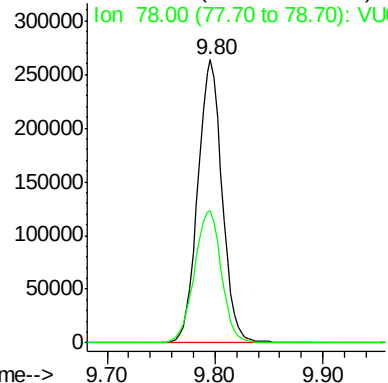


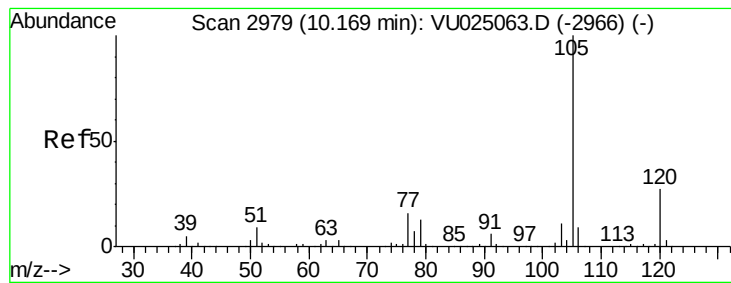
#55
Styrene
Concen: 49.707 ug/L
RT: 9.80 min Scan# 2863
Delta R.T. 0.00 min
Lab File: VU025063.D
Acq: 29 Jun 2018 11:21

Tgt Ion:104 Resp: 414590
Ion Ratio Lower Upper
104 100
78 46.6 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: 50.809 ug/L

RT: 10.17 min Scan# 2979

Delta R.T. 0.00 min

Lab File: VU025063.D

Acq: 29 Jun 2018 11:21

Instrument :

MSVOA_U

ClientSampleId :

VSTD05042

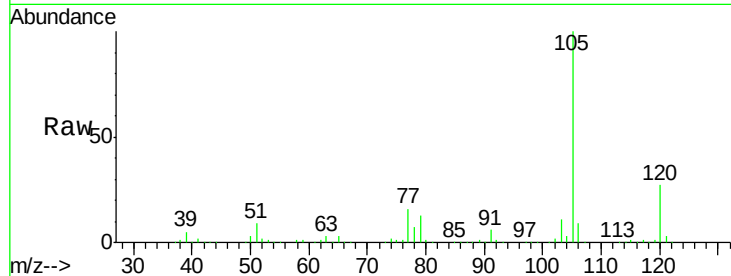
Tgt Ion: 105 Resp: 663524

Ion Ratio Lower Upper

105 100

120 26.7 21.4 32.0

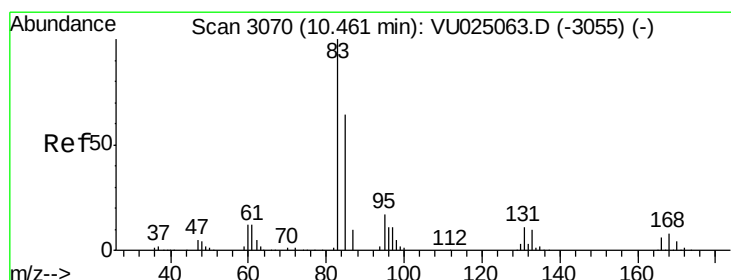
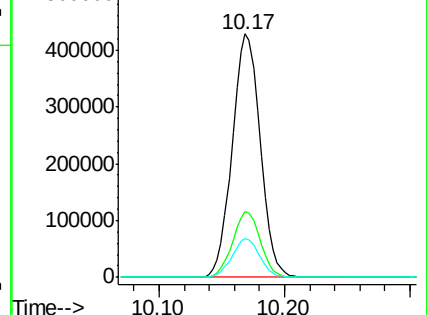
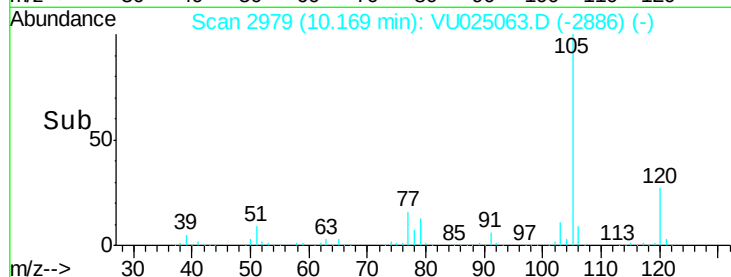
77 15.6 12.5 18.7



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: 48.472 ug/L

RT: 10.46 min Scan# 3070

Delta R.T. 0.00 min

Lab File: VU025063.D

Acq: 29 Jun 2018 11:21

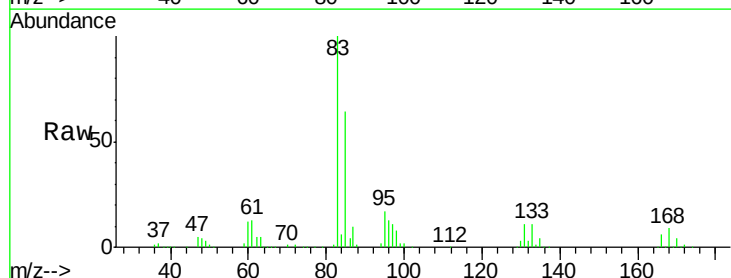
Tgt Ion: 83 Resp: 222082

Ion Ratio Lower Upper

83 100

85 64.4 45.1 83.7

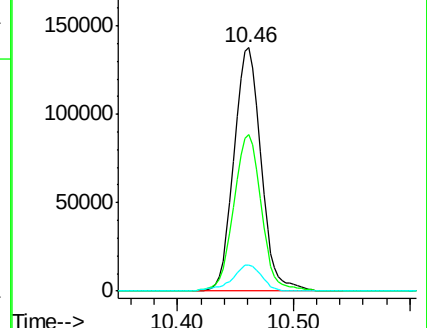
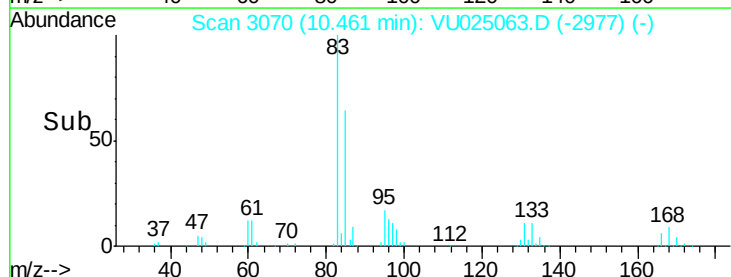
131 10.9 8.7 13.1

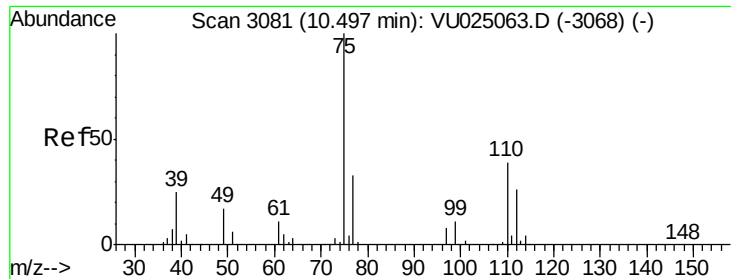


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 131.00 (130.70 to 131.70): V

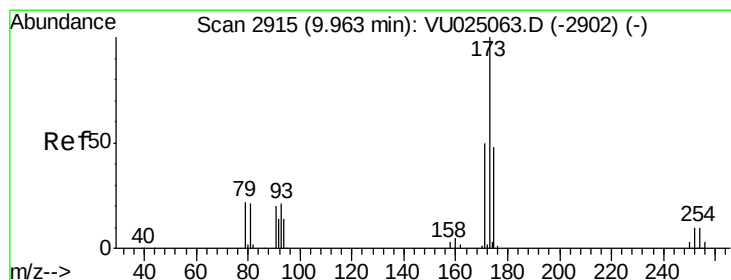
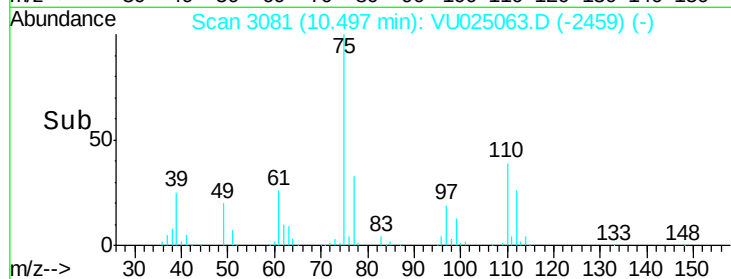
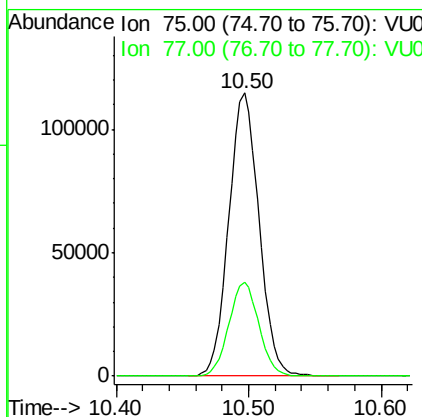
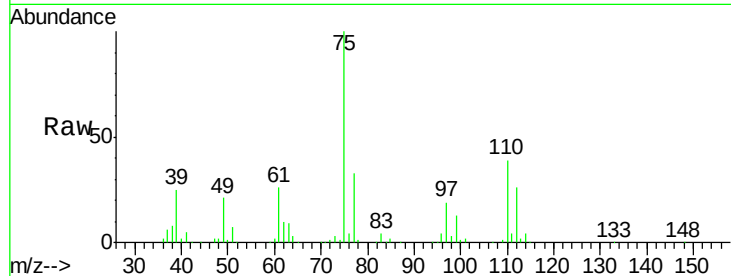




#59
 1,2,3-Trichloropropane
 Concen: 50.204 ug/L
 RT: 10.50 min Scan# 3081
 Delta R.T. 0.00 min
 Lab File: VU025063.D
 Acq: 29 Jun 2018 11:21

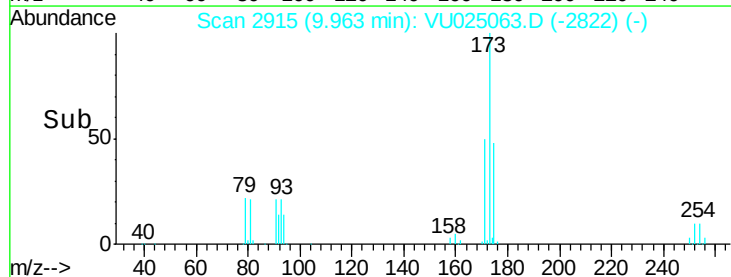
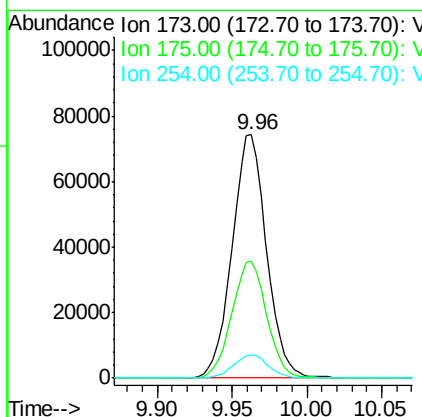
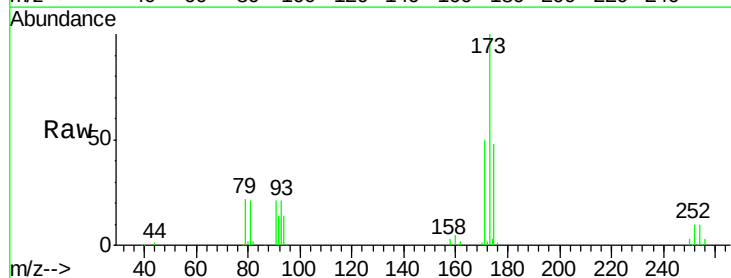
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05042

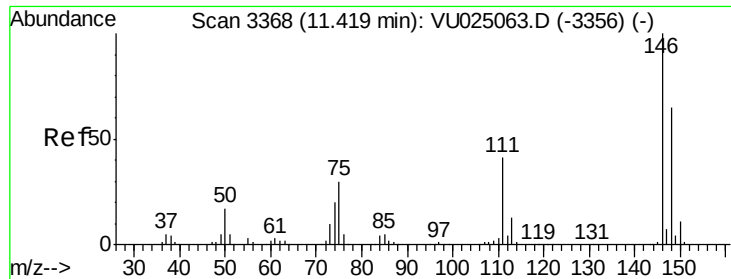
Tgt Ion: 75 Resp: 181817
 Ion Ratio Lower Upper
 75 100
 77 32.8 26.2 39.4



#61
 Bromoform
 Concen: 46.048 ug/L
 RT: 9.96 min Scan# 2915
 Delta R.T. 0.00 min
 Lab File: VU025063.D
 Acq: 29 Jun 2018 11:21

Tgt Ion: 173 Resp: 119068
 Ion Ratio Lower Upper
 173 100
 175 48.9 39.1 58.7
 254 9.6 7.7 11.5

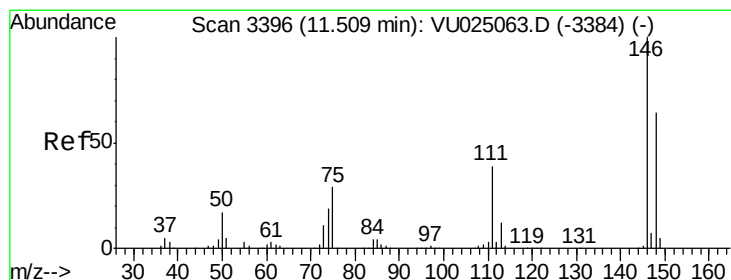
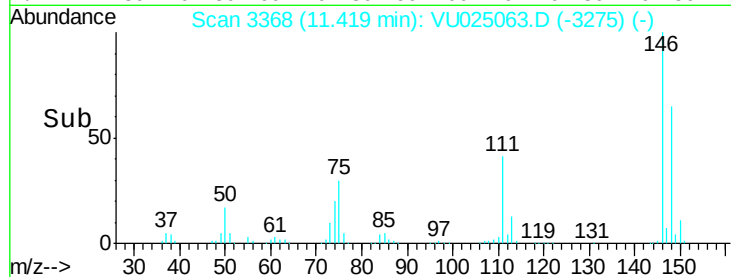
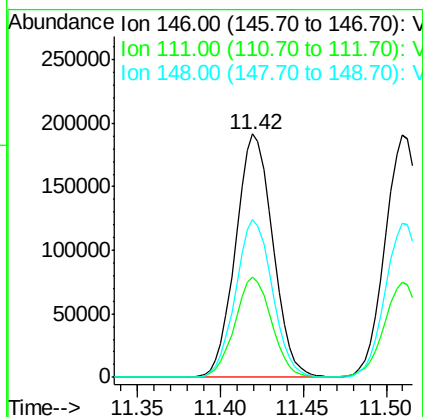
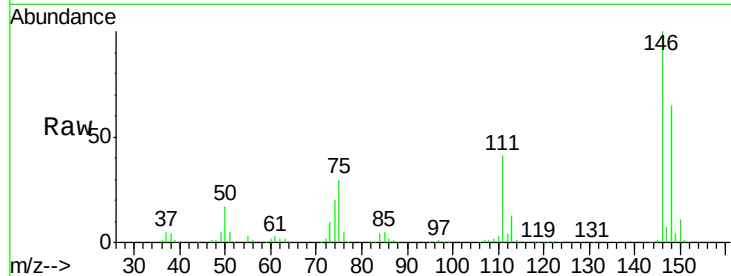




#62
 1,3-Dichlorobenzene
 Concen: 49.705 ug/L
 RT: 11.42 min Scan# 3368
 Delta R.T. 0.00 min
 Lab File: VU025063.D
 Acq: 29 Jun 2018 11:21

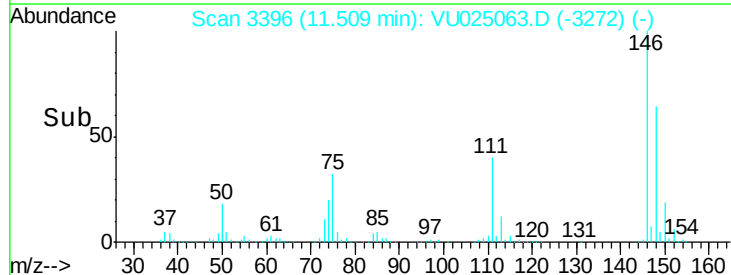
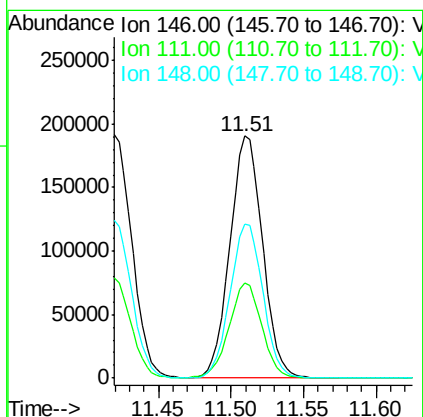
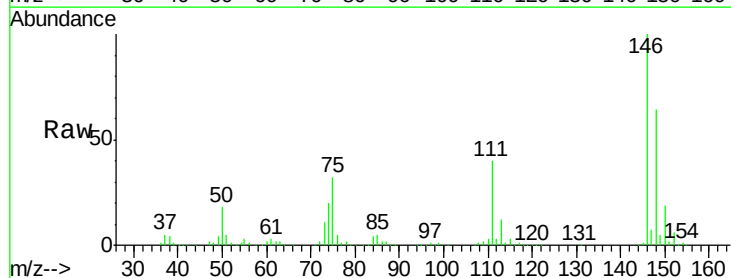
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05042

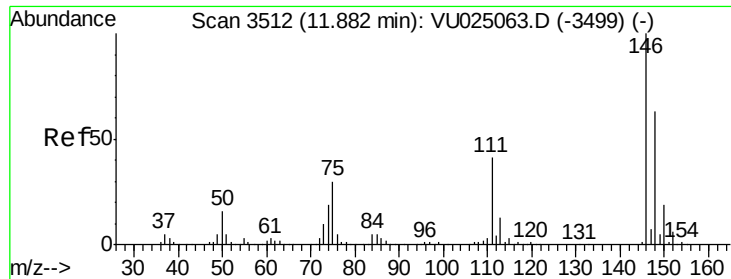
Tgt Ion:146 Resp: 300036
 Ion Ratio Lower Upper
 146 100
 111 41.0 28.7 53.3
 148 64.7 45.3 84.1



#63
 1,4-Dichlorobenzene
 Concen: 49.185 ug/L
 RT: 11.51 min Scan# 3396
 Delta R.T. 0.00 min
 Lab File: VU025063.D
 Acq: 29 Jun 2018 11:21

Tgt Ion:146 Resp: 298217
 Ion Ratio Lower Upper
 146 100
 111 39.6 27.7 51.5
 148 63.9 44.7 83.1

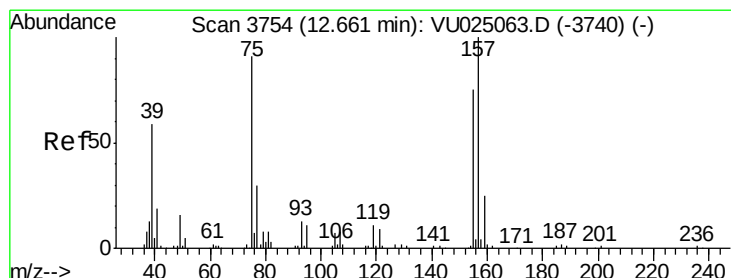
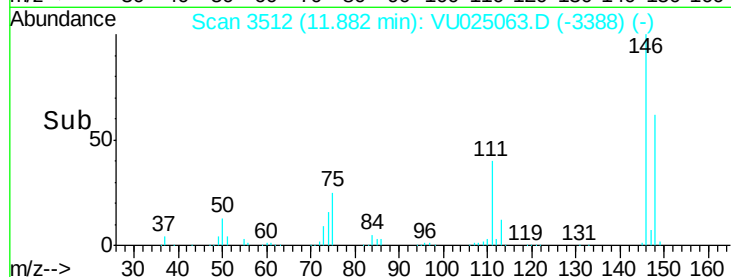
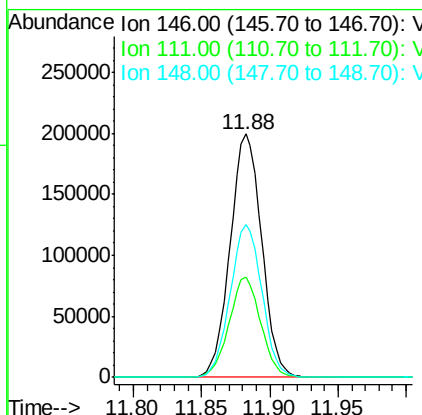
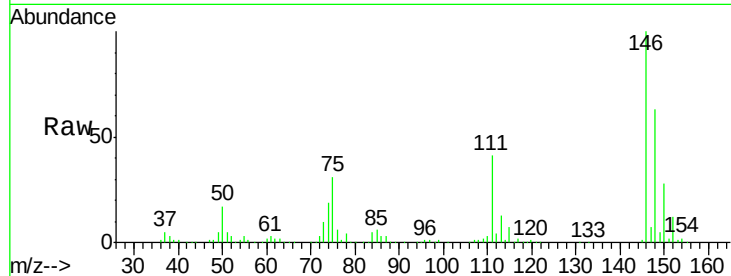




#65
 1,2-Dichlorobenzene
 Concen: 52.235 ug/L
 RT: 11.88 min Scan# 3512
 Delta R.T. 0.00 min
 Lab File: VU025063.D
 Acq: 29 Jun 2018 11:21

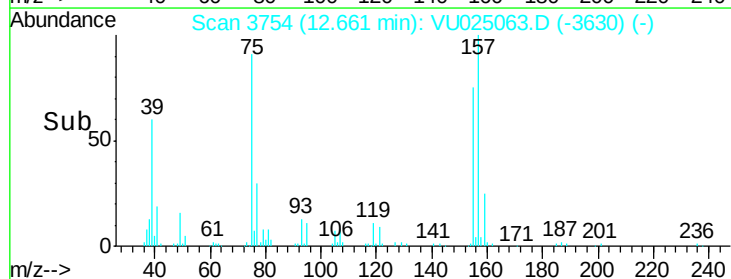
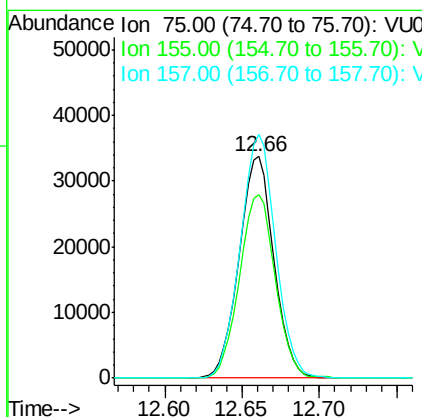
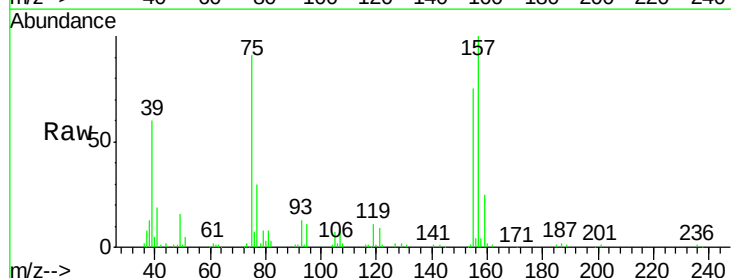
Instrument :
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 ClientSampleId :
 VSTD05042

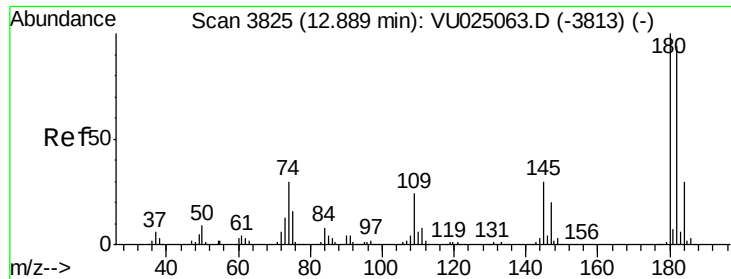
Tgt Ion: 146 Resp: 320218
 Ion Ratio Lower Upper
 146 100
 111 41.2 33.0 49.4
 148 62.6 50.1 75.1



#66
 1,2-Dibromo-3-chloropropane
 Concen: 49.555 ug/L
 RT: 12.66 min Scan# 3754
 Delta R.T. 0.00 min
 Lab File: VU025063.D
 Acq: 29 Jun 2018 11:21

Tgt Ion: 75 Resp: 52916
 Ion Ratio Lower Upper
 75 100
 155 82.9 66.3 99.5
 157 109.9 87.9 131.9

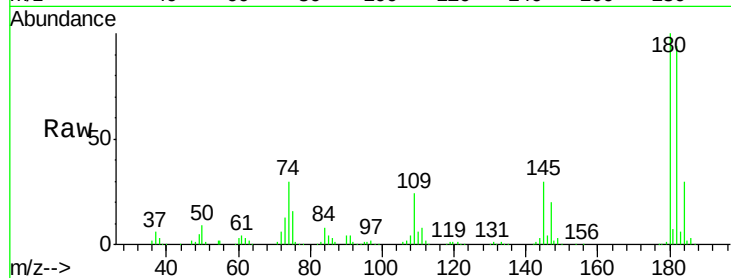




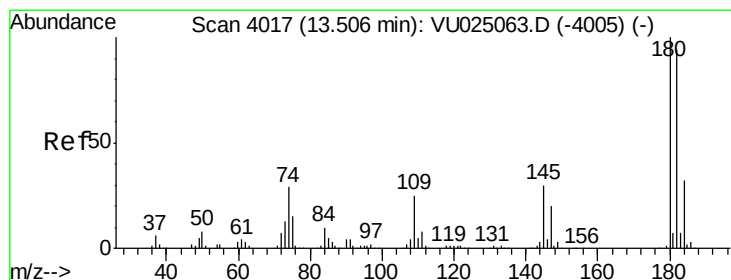
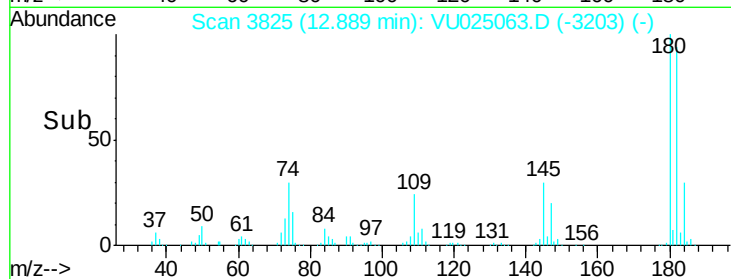
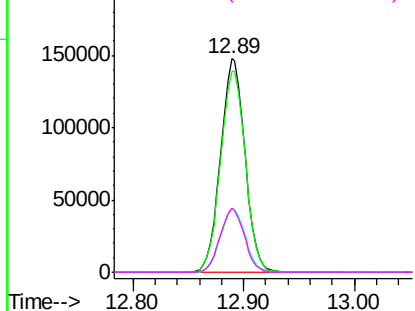
#67
 1,3,5-Trichlorobenzene
 Concen: 47.835 ug/L
 RT: 12.89 min Scan# 3825
 Delta R.T. 0.00 min
 Lab File: VU025063.D
 Acq: 29 Jun 2018 11:21

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05042

Tgt Ion:180 Resp: 225730
 Ion Ratio Lower Upper
 180 100
 182 96.0 76.8 115.2
 184 30.4 24.3 36.5
 145 29.8 23.8 35.8

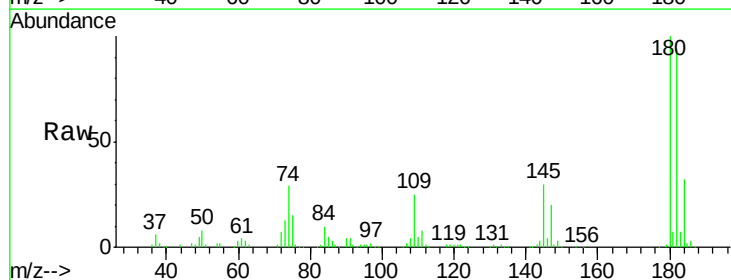


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

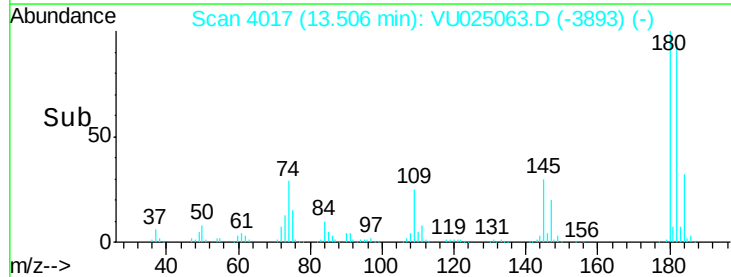
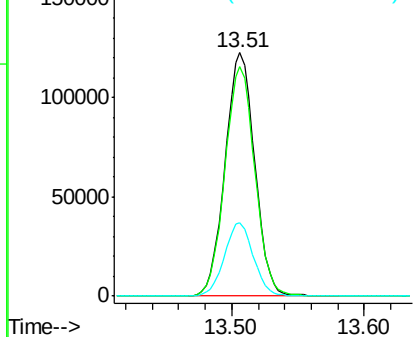


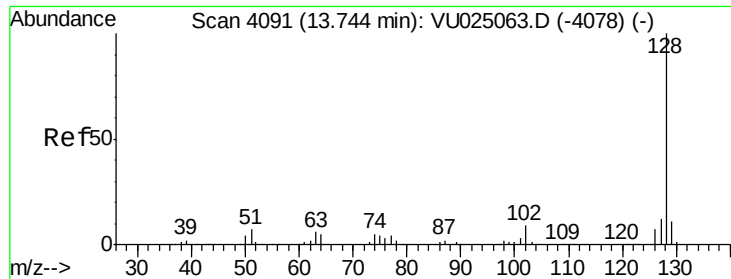
#68
 1,2,4-trichlorobenzene
 Concen: 48.880 ug/L
 RT: 13.51 min Scan# 4017
 Delta R.T. 0.00 min
 Lab File: VU025063.D
 Acq: 29 Jun 2018 11:21

Tgt Ion:180 Resp: 190338
 Ion Ratio Lower Upper
 180 100
 182 94.9 75.9 113.9
 145 29.8 23.8 35.8



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

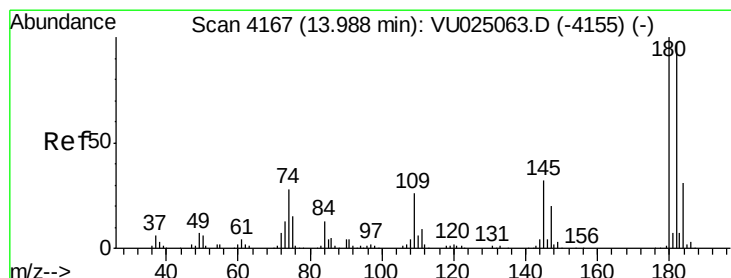
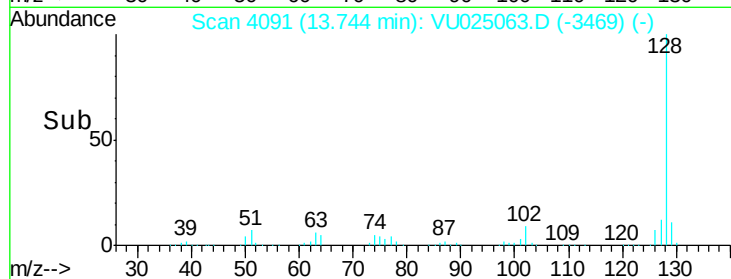
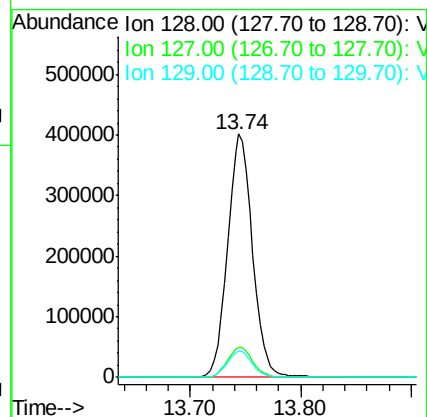
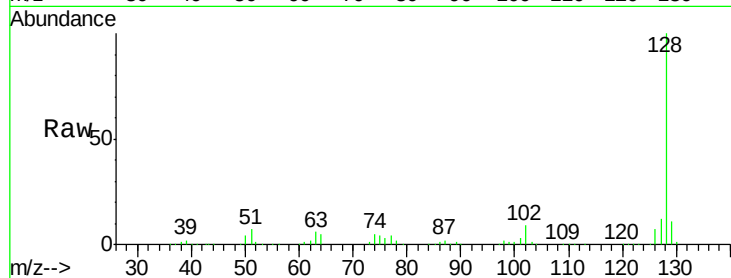




#69
Naphthalene
Concen: 55.990 ug/L
RT: 13.74 min Scan# 4091
Delta R.T. 0.00 min
Lab File: VU025063.D
Acq: 29 Jun 2018 11:21

Instrument :
MSVOA_U
ClientSampleId :
VSTD05042

Tgt Ion:128 Resp: 628002
Ion Ratio Lower Upper
128 100
127 12.7 10.2 15.2
129 11.0 8.8 13.2



#70
1,2,3-Trichlorobenzene
Concen: 50.184 ug/L
RT: 13.99 min Scan# 4167
Delta R.T. 0.00 min
Lab File: VU025063.D
Acq: 29 Jun 2018 11:21

Tgt Ion:180 Resp: 200537
Ion Ratio Lower Upper
180 100
182 96.7 77.4 116.0
145 31.7 25.4 38.0

