

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU082818\
 Data File : VU026406.D
 Acq On : 28 Aug 2018 18:07
 Operator : MD/SY
 Sample : VSTDICV005
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VICV47

Quant Time: Aug 29 00:09:18 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR082818WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Aug 29 00:08:04 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	63031	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	63012	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	31301	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	41259	4.90	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	98.00%
7) Chloroethane-d5	1.68	69	30599	4.85	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	97.00%
11) 1,1-Dichloroethene-d2	2.27	63	72164	5.08	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	101.60%
20) 2-Butanone-d5	4.20	46	73527	47.35	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	94.70%
24) Chloroform-d	4.65	84	45586	4.73	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.60%
26) 1,2-Dichloroethane-d4	5.31	65	28199	4.66	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.20%
32) Benzene-d6	5.34	84	106542	4.94	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.80%
36) 1,2-Dichloropropane-d6	6.34	67	34928	4.88	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	97.60%
41) Toluene-d8	7.57	98	101998	5.05	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	101.00%
43) trans-1,3-Dichloropropene-	7.85	79	13224	5.08	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	101.60%
46) 2-Hexanone-d5	8.32	63	60304	52.18	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	104.36%
57) 1,1,2,2-Tetrachloroethane-	10.44	84	26439	4.77	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	95.40%
64) 1,2-Dichlorobenzene-d4	11.86	152	35971	4.92	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	98.40%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	31200	5.159 ug/L	98
3) Chloromethane	1.33	50	41877	5.234 ug/L	99
5) Vinyl chloride	1.40	62	42212	5.239 ug/L	100
6) Bromomethane	1.63	94	22651	5.847 ug/L	98
8) Chloroethane	1.70	64	25107	5.295 ug/L	97
9) Trichlorofluoromethane	1.89	101	51453	5.359 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	29121	5.171 ug/L	96
12) 1,1-Dichloroethene	2.28	96	27116	5.252 ug/L	94
13) Acetone	2.32	43	57149	49.849 ug/L	100
14) Carbon disulfide	2.48	76	100200	5.285 ug/L	99
15) Methyl Acetate	2.62	43	15967	4.938 ug/L	97
16) Methylene chloride	2.70	84	32246	4.998 ug/L	98
17) Methyl tert-butyl Ether	3.01	73	69637	5.374 ug/L	99
18) trans-1,2-Dichloroethene	2.98	96	30125	5.342 ug/L	95
19) 1,1-Dichloroethane	3.45	63	61998	5.300 ug/L	100
21) 2-Butanone	4.28	43	74034	50.332 ug/L	96
22) cis-1,2-Dichloroethene	4.23	96	29200	5.111 ug/L	98

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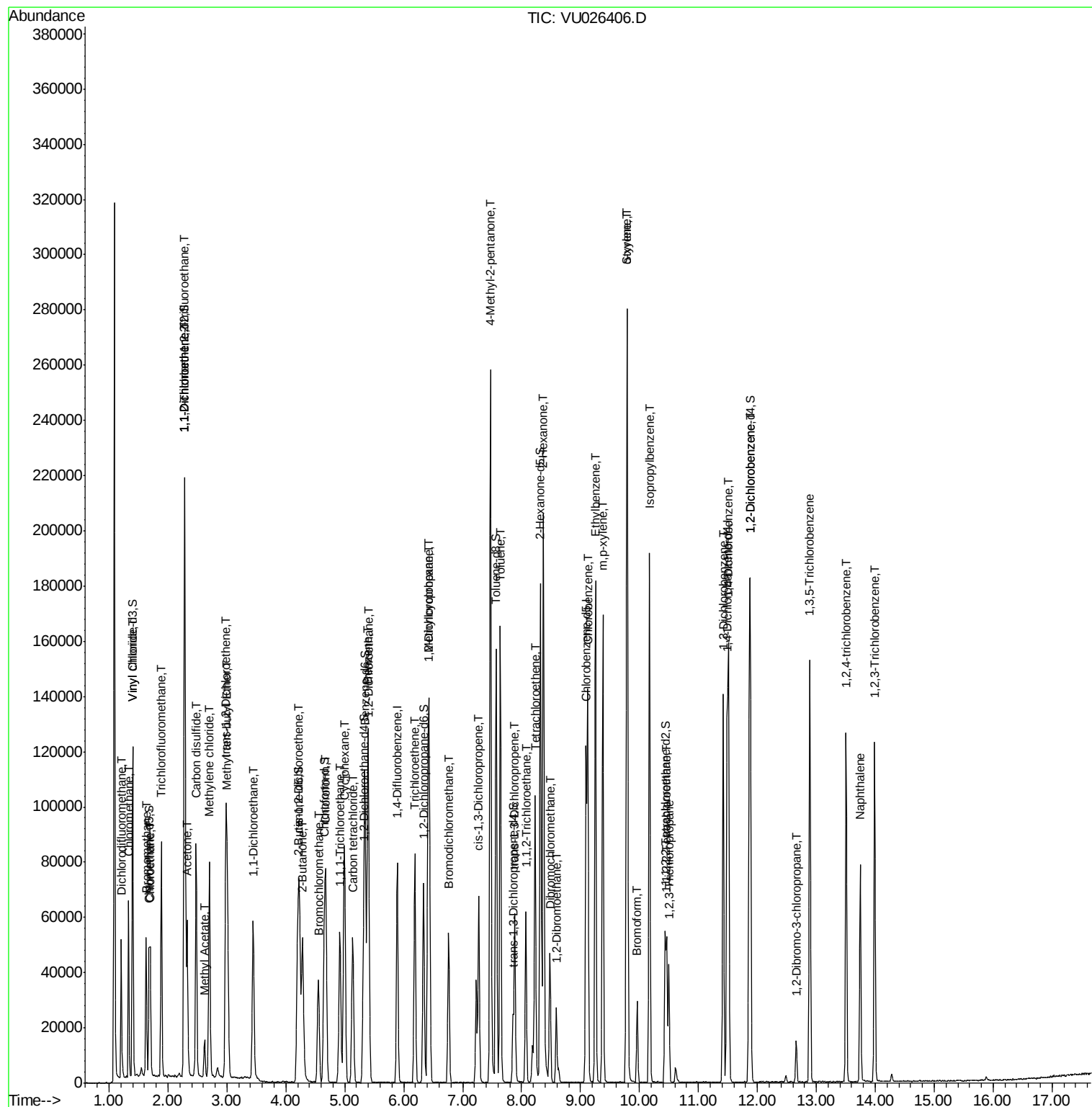
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.55	128	12068	5.218	ug/L	99
25) Chloroform	4.68	83	57617	5.121	ug/L	100
27) 1,2-Dichloroethane	5.41	62	32835	5.242	ug/L	97
29) 1,1,1-Trichloroethane	4.91	97	40805	5.157	ug/L	99
30) Cyclohexane	4.99	56	42561	5.259	ug/L	99
31) Carbon tetrachloride	5.13	117	37308	5.228	ug/L	99
33) Benzene	5.39	78	109261	5.225	ug/L	100
34) Trichloroethene	6.19	95	28284	5.009	ug/L	98
35) Methylcyclohexane	6.42	83	42817	5.331	ug/L	99
37) 1,2-Dichloropropane	6.44	63	30071	5.187	ug/L	98
38) Bromodichloromethane	6.76	83	34698	5.091	ug/L	98
39) cis-1,3-Dichloropropene	7.27	75	38618	5.245	ug/L	99
40) 4-Methyl-2-pentanone	7.47	43	174825	53.550	ug/L	99
42) Toluene	7.64	91	115397	5.415	ug/L	100
44) trans-1,3-Dichloropropene	7.88	75	32531	5.362	ug/L	100
45) 1,1,2-Trichloroethane	8.07	97	18792	5.166	ug/L	99
47) Tetrachloroethene	8.23	164	22192	5.225	ug/L	96
48) 2-Hexanone	8.37	43	132018	54.604	ug/L	99
49) Dibromochloromethane	8.48	129	23016	5.189	ug/L	98
50) 1,2-Dibromoethane	8.59	107	17460	5.076	ug/L	95
51) Chlorobenzene	9.12	112	71414	5.167	ug/L	98
52) Ethylbenzene	9.25	91	121670	5.388	ug/L	98
53) m,p-xylene	9.38	106	45834	5.518	ug/L	98
54) o-xylene	9.78	106	43951	5.593	ug/L	100
55) Styrene	9.80	104	78219	5.683	ug/L	99
56) Isopropylbenzene	10.17	105	115789	5.540	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.46	83	24333	5.105	ug/L	94
59) 1,2,3-Trichloropropane	10.50	75	17080	5.099	ug/L	98
61) Bromoform	9.96	173	12736	5.139	ug/L	99
62) 1,3-Dichlorobenzene	11.42	146	55442	5.493	ug/L	99
63) 1,4-Dichlorobenzene	11.51	146	57286	5.396	ug/L	100
65) 1,2-Dichlorobenzene	11.88	146	52989	5.312	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.66	75	3659	5.484	ug/L	84
67) 1,3,5-Trichlorobenzene	12.89	180	45665	5.411	ug/L	99
68) 1,2,4-trichlorobenzene	13.51	180	38977	5.744	ug/L	98
69) Naphthalene	13.74	128	61390	5.927	ug/L	99
70) 1,2,3-Trichlorobenzene	13.99	180	36790	5.863	ug/L	98

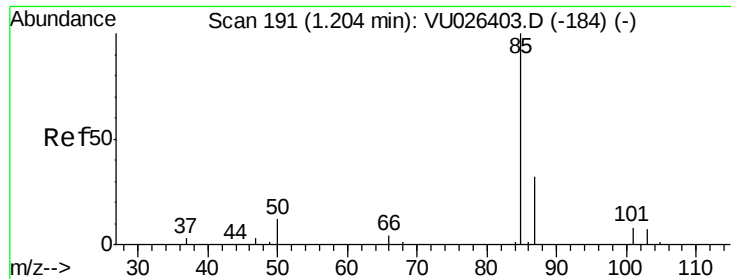
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 5.159 ug/L

RT: 1.20 min Scan# 191

Delta R.T. -0.00 min

Lab File: VU026406.D

Acq: 28 Aug 2018 18:07

Instrument :

MSVOA_U

ClientSampleId :

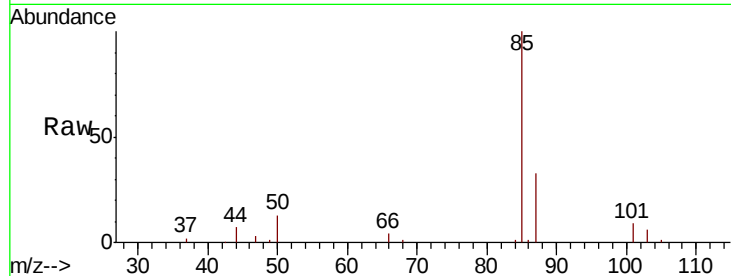
VICV47

Tgt Ion: 85 Resp: 31200

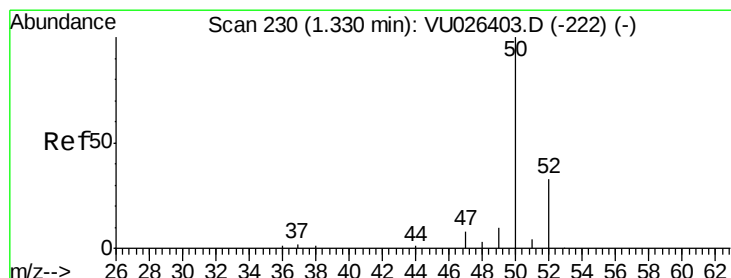
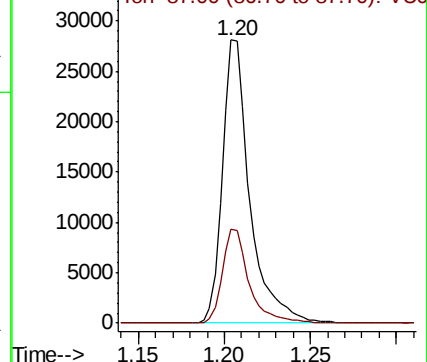
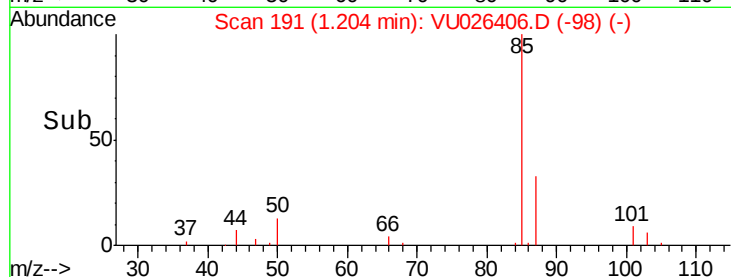
Ion Ratio Lower Upper

85 100

87 32.6 25.4 38.0



Abundance Ion 85.00 (84.70 to 85.70): VU026406.D (-98) (-)



#3

Chloromethane

Concen: 5.234 ug/L

RT: 1.33 min Scan# 230

Delta R.T. -0.00 min

Lab File: VU026406.D

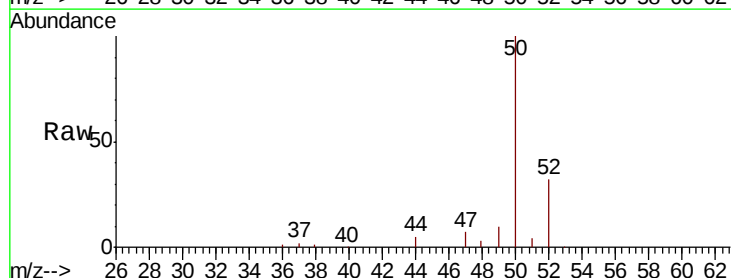
Acq: 28 Aug 2018 18:07

Tgt Ion: 50 Resp: 41877

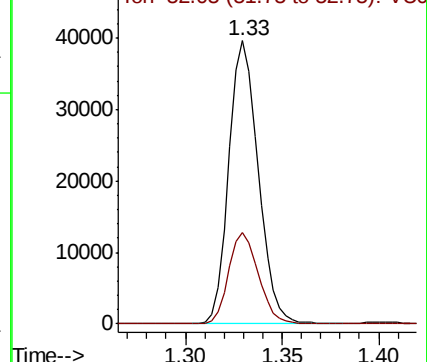
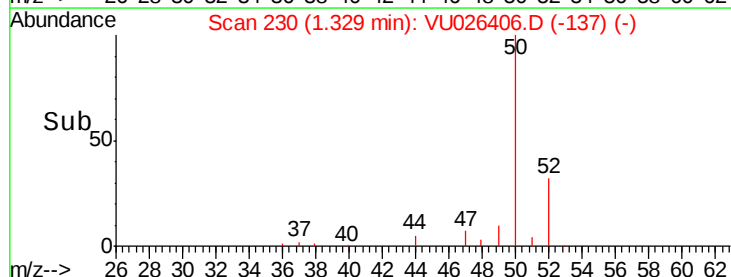
Ion Ratio Lower Upper

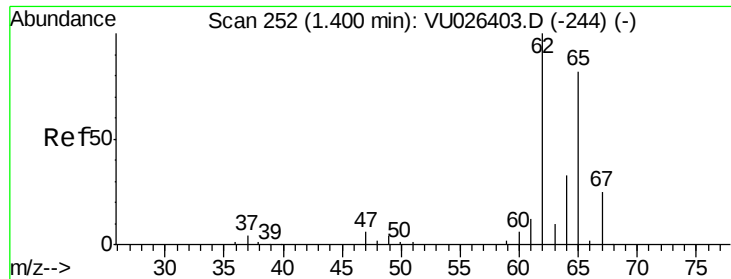
50 100

52 32.3 23.0 42.6



Abundance Ion 50.05 (49.75 to 50.75): VU026406.D (-137) (-)





#5

Vinyl chloride

Concen: 5.239 ug/L

RT: 1.40 min Scan# 252

Delta R.T. -0.00 min

Lab File: VU026406.D

Acq: 28 Aug 2018 18:07

Instrument :

MSVOA_U

ClientSampleId :

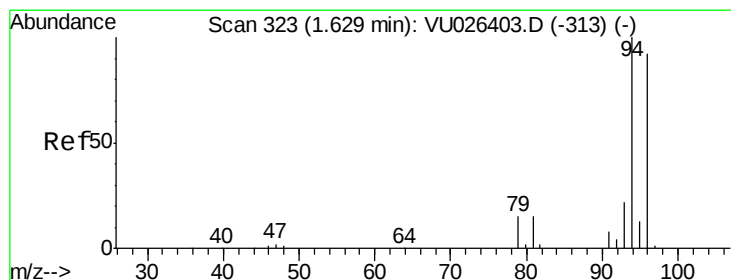
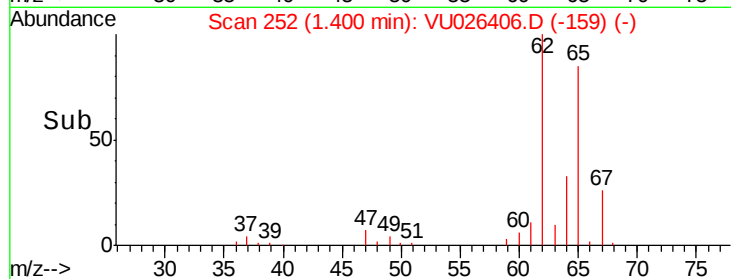
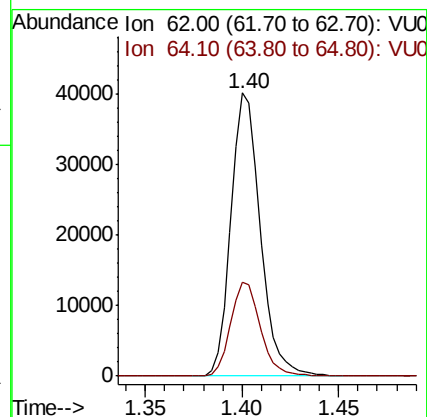
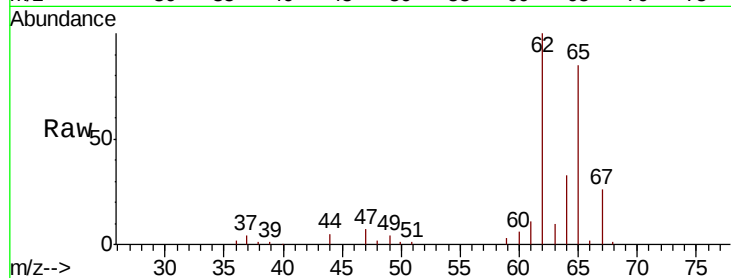
VICV47

Tgt Ion: 62 Resp: 42212

Ion Ratio Lower Upper

62 100

64 33.2 23.0 42.8



#6

Bromomethane

Concen: 5.847 ug/L

RT: 1.63 min Scan# 323

Delta R.T. -0.00 min

Lab File: VU026406.D

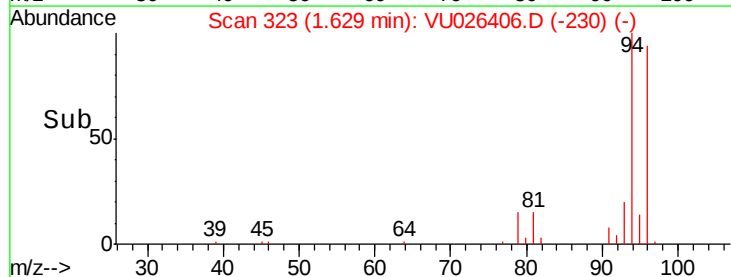
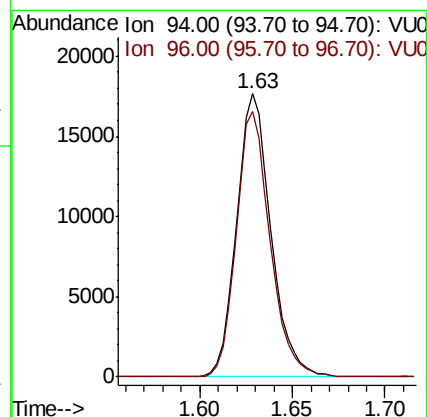
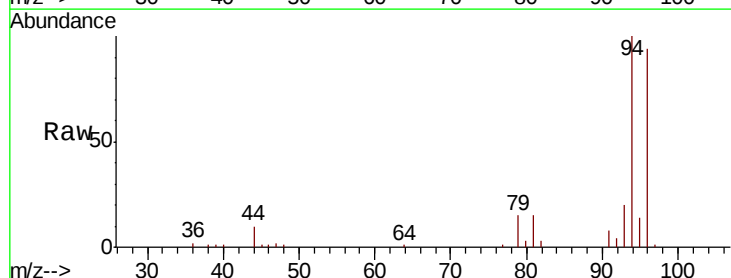
Acq: 28 Aug 2018 18:07

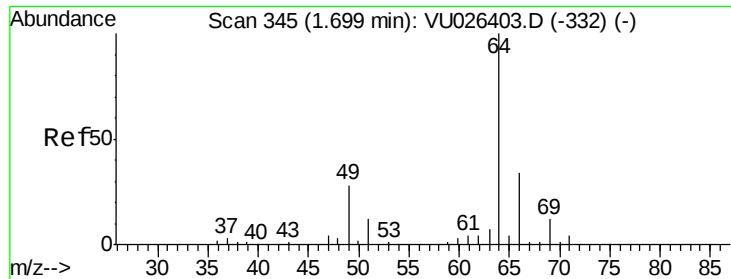
Tgt Ion: 94 Resp: 22651

Ion Ratio Lower Upper

94 100

96 93.9 64.3 119.5





#8

Chloroethane

Concen: 5.295 ug/L

RT: 1.70 min Scan# 345

Delta R.T. -0.00 min

Lab File: VU026406.D

Acq: 28 Aug 2018 18:07

Instrument :

MSVOA_U

ClientSampleId :

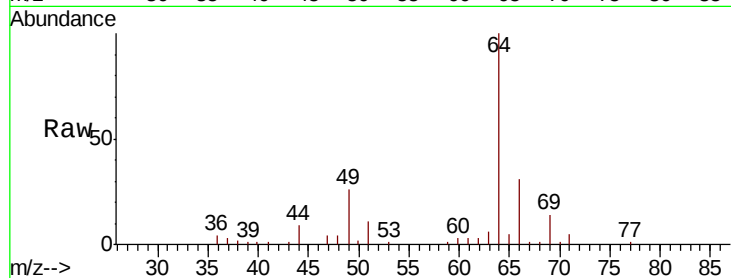
VICV47

Tgt Ion: 64 Resp: 25107

Ion Ratio Lower Upper

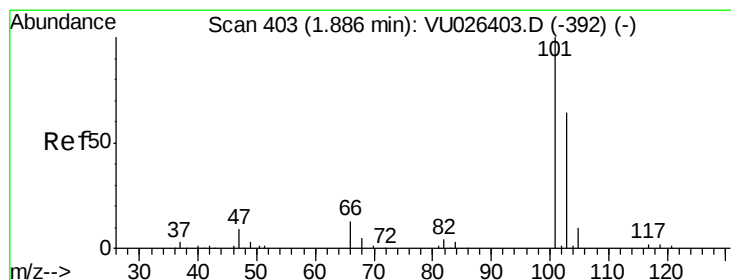
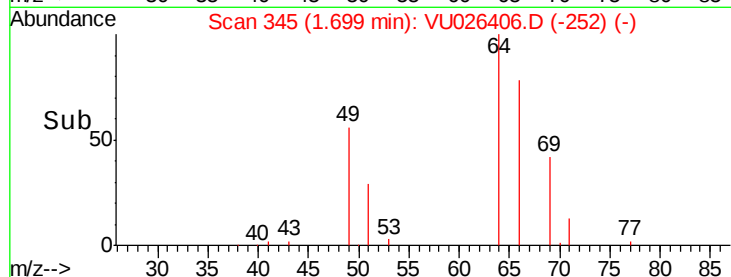
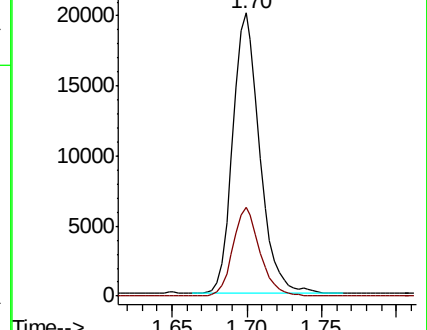
64 100

66 31.3 23.2 43.2



Abundance Ion 64.10 (63.80 to 64.80): VU026406.D (-252) (-)

Ion 66.05 (65.75 to 66.75): VU026406.D (-252) (-)



#9

Trichlorofluoromethane

Concen: 5.359 ug/L

RT: 1.89 min Scan# 403

Delta R.T. -0.00 min

Lab File: VU026406.D

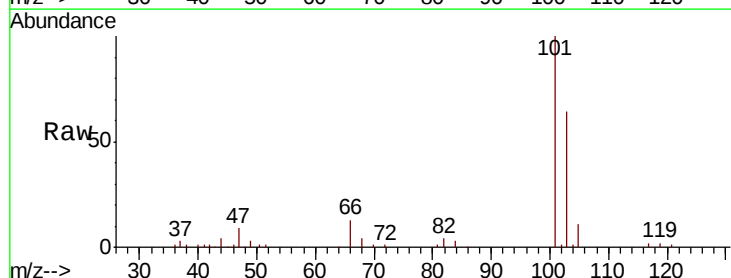
Acq: 28 Aug 2018 18:07

Tgt Ion: 101 Resp: 51453

Ion Ratio Lower Upper

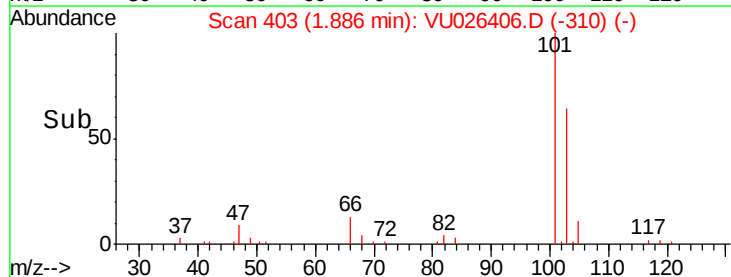
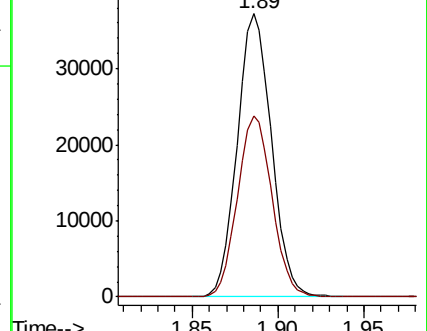
101 100

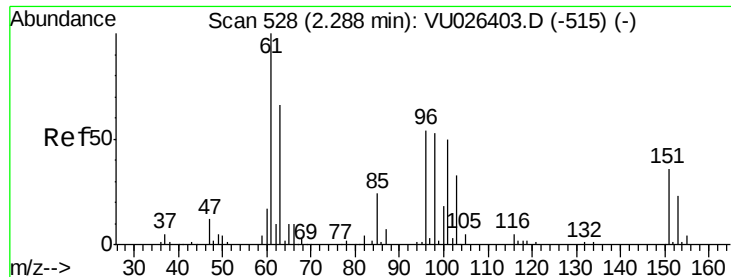
103 64.4 51.3 76.9



Abundance Ion 101.00 (100.70 to 101.70): VU026406.D (-310) (-)

Ion 103.00 (102.70 to 103.70): VU026406.D (-310) (-)





#10

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

Concen: 5.171 ug/L

RT: 2.29 min Scan# 528

Delta R.T. -0.00 min

Lab File: VU026406.D

Acq: 28 Aug 2018 18:07

Instrument :

MSVOA_U

ClientSampled :

VICV47

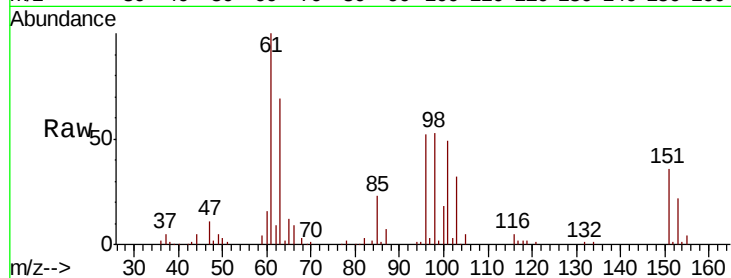
Tgt Ion: 101 Resp: 29121

Ion Ratio Lower Upper

101 100

85 46.4 36.0 54.0

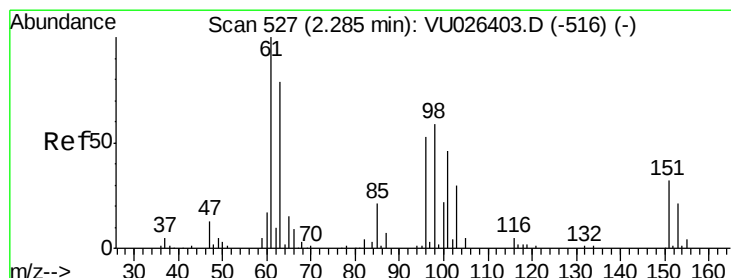
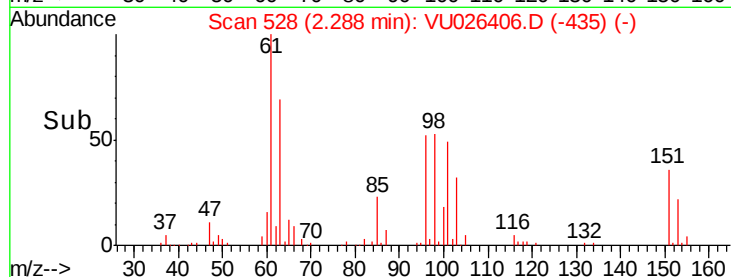
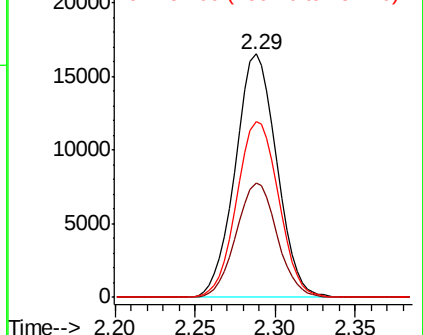
151 73.5 55.5 83.3



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 5.252 ug/L

RT: 2.28 min Scan# 527

Delta R.T. -0.00 min

Lab File: VU026406.D

Acq: 28 Aug 2018 18:07

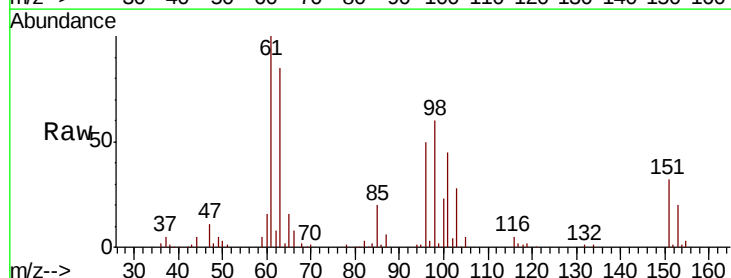
Tgt Ion: 96 Resp: 27116

Ion Ratio Lower Upper

96 100

61 200.0 133.5 247.9

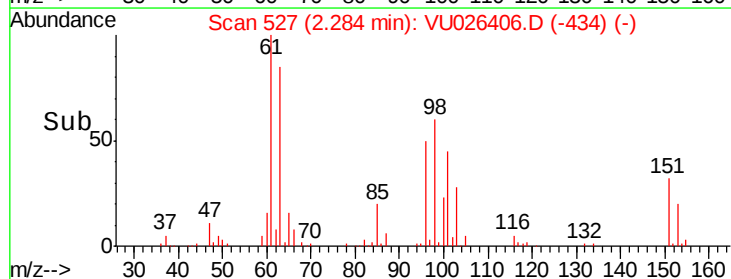
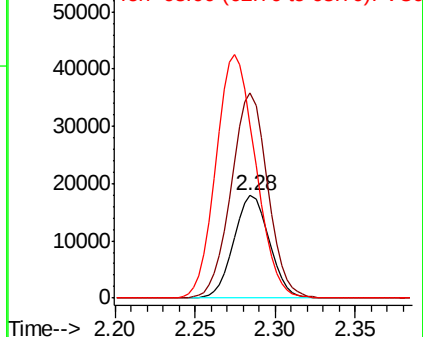
63 169.1 112.3 208.7

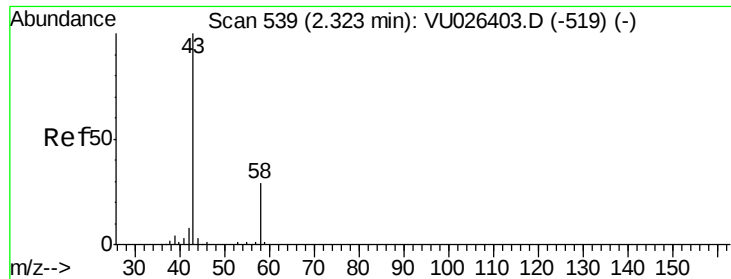


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 49.849 ug/L

RT: 2.32 min Scan# 539

Delta R.T. -0.00 min

Lab File: VU026406.D

Acq: 28 Aug 2018 18:07

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MSVOA_U

ClientSampleId :

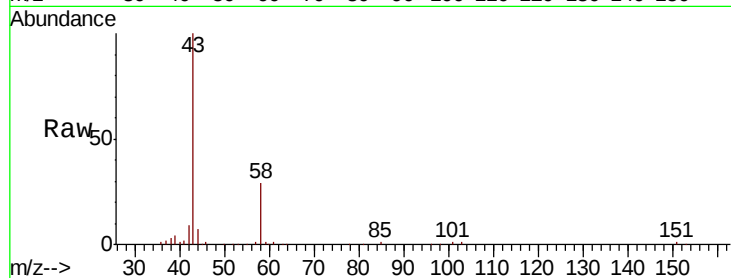
VICV47

Tgt Ion: 43 Resp: 57149

Ion Ratio Lower Upper

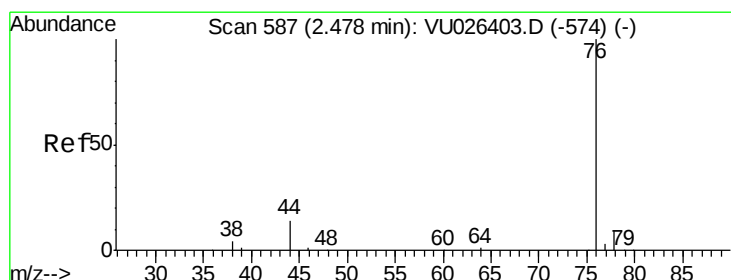
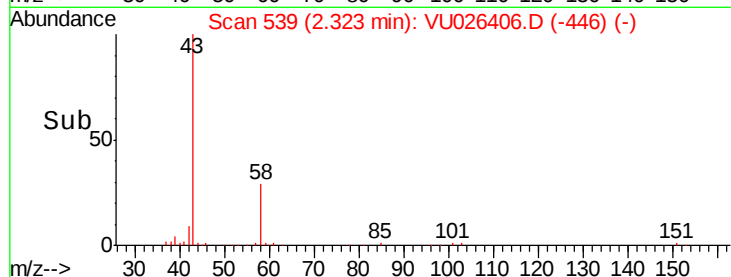
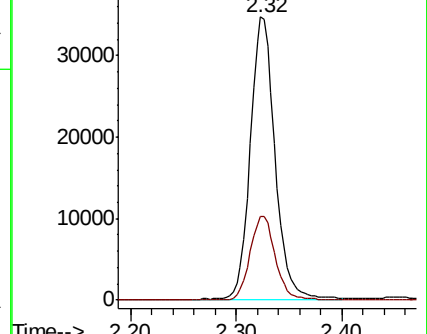
43 100

58 30.1 0.0 60.6



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0



#14

Carbon disulfide

Concen: 5.285 ug/L

RT: 2.48 min Scan# 587

Delta R.T. -0.00 min

Lab File: VU026406.D

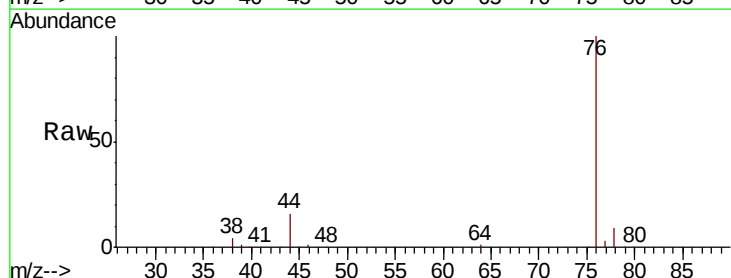
Acq: 28 Aug 2018 18:07

Tgt Ion: 76 Resp: 100200

Ion Ratio Lower Upper

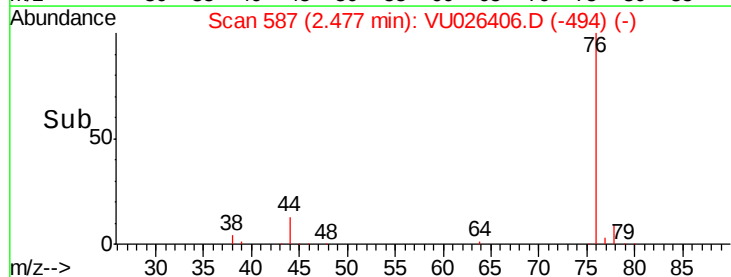
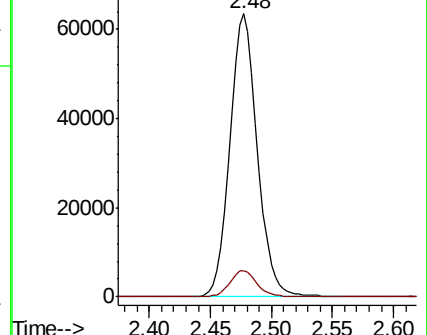
76 100

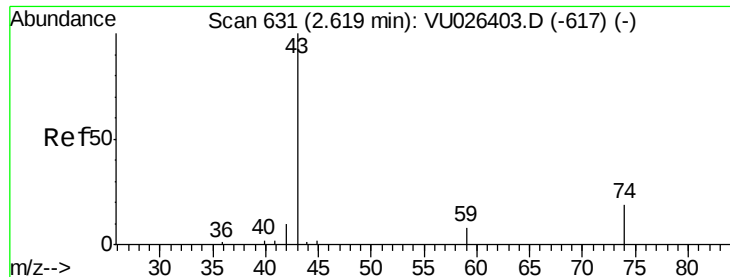
78 9.2 7.2 10.8



Abundance Ion 76.05 (75.75 to 76.75): VU0

Ion 78.00 (77.70 to 78.70): VU0





#15

Methyl Acetate

Concen: 4.938 ug/L

RT: 2.62 min Scan# 631

Delta R.T. -0.00 min

Lab File: VU026406.D

Acq: 28 Aug 2018 18:07

Instrument :

MSVOA_U

ClientSampleId :

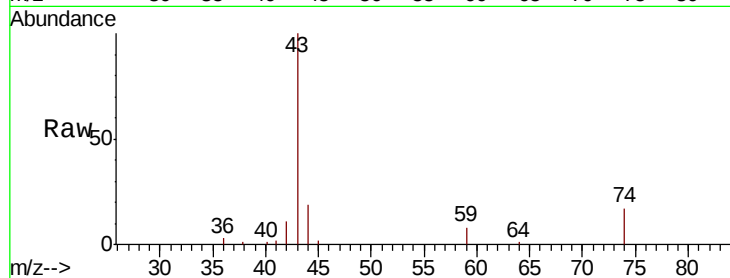
VICV47

Tgt Ion: 43 Resp: 15967

Ion Ratio Lower Upper

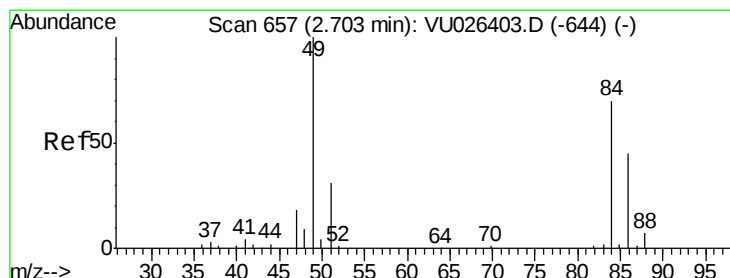
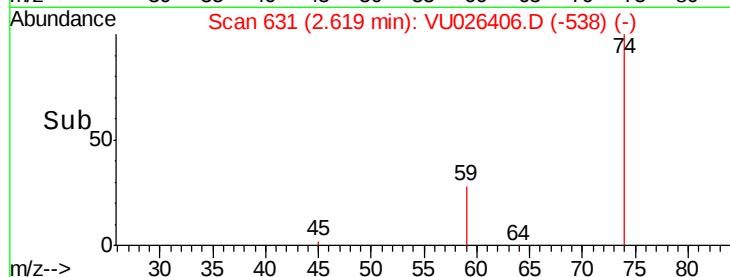
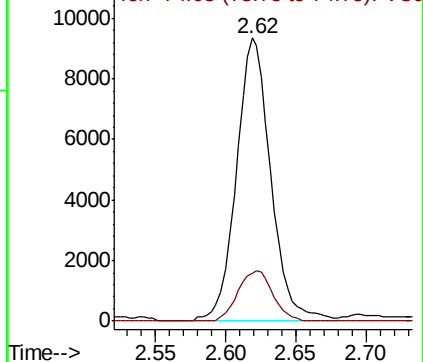
43 100

74 18.0 15.4 23.2



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 74.05 (73.75 to 74.75): VU0



#16

Methylene chloride

Concen: 4.998 ug/L

RT: 2.70 min Scan# 656

Delta R.T. -0.00 min

Lab File: VU026406.D

Acq: 28 Aug 2018 18:07

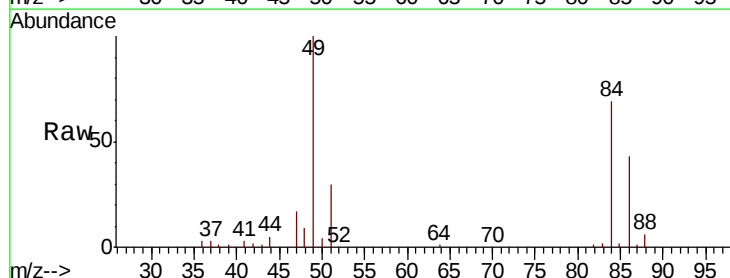
Tgt Ion: 84 Resp: 32246

Ion Ratio Lower Upper

84 100

86 61.4 44.9 83.3

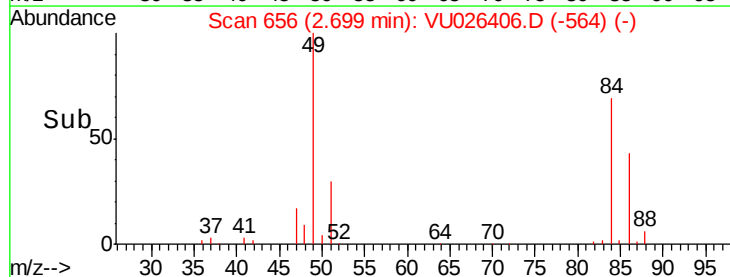
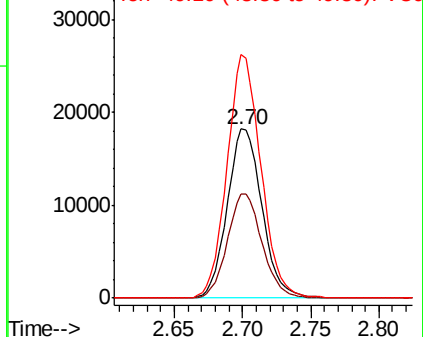
49 144.2 99.7 185.1

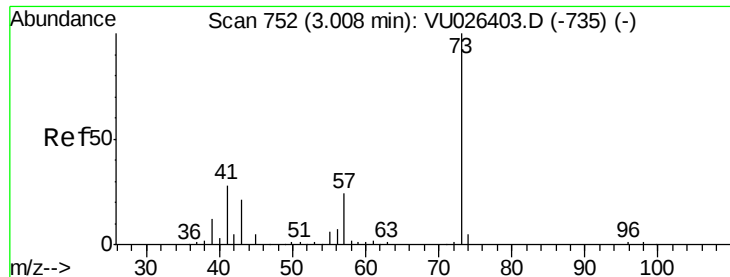


Abundance Ion 84.05 (83.75 to 84.75): VU0

Ion 86.00 (85.70 to 86.70): VU0

Ion 49.10 (48.80 to 49.80): VU0





#17

Methyl tert-butyl Ether

Concen: 5.374 ug/L

RT: 3.01 min Scan# 752

Delta R.T. -0.00 min

Lab File: VU026406.D

Acq: 28 Aug 2018 18:07

Instrument :

MSVOA_U

ClientSampleId :

VICV47

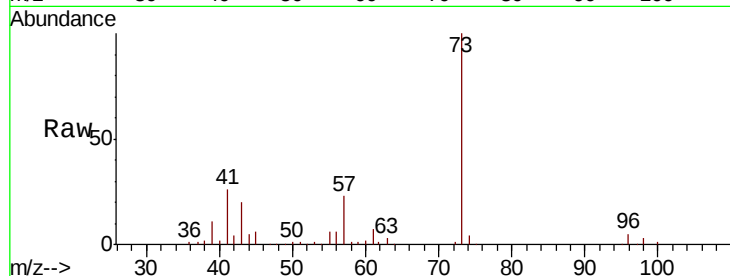
Tgt Ion: 73 Resp: 69637

Ion Ratio Lower Upper

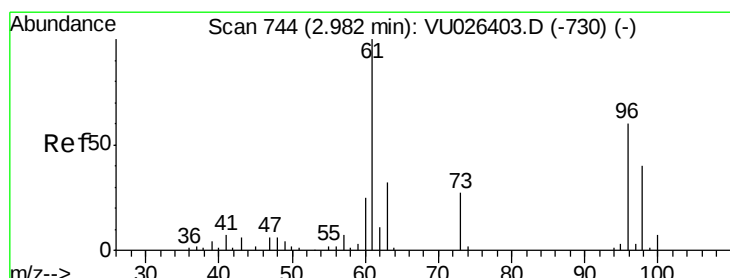
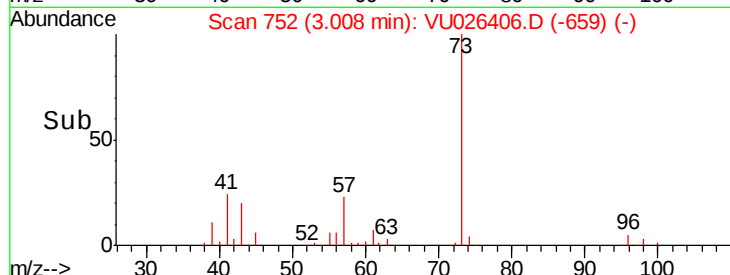
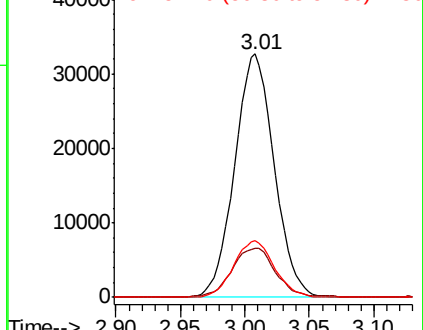
73 100

43 22.7 17.6 26.4

57 23.7 19.0 28.6



Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0



#18

trans-1,2-Dichloroethene

Concen: 5.342 ug/L

RT: 2.98 min Scan# 743

Delta R.T. -0.00 min

Lab File: VU026406.D

Acq: 28 Aug 2018 18:07

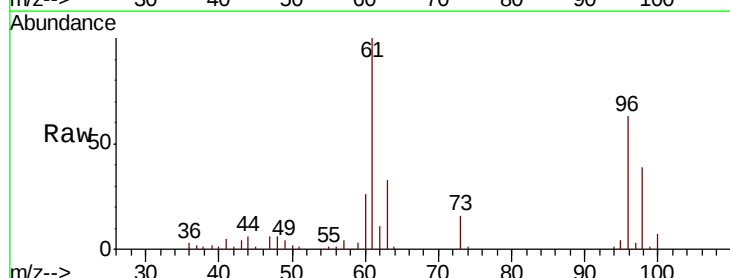
Tgt Ion: 96 Resp: 30125

Ion Ratio Lower Upper

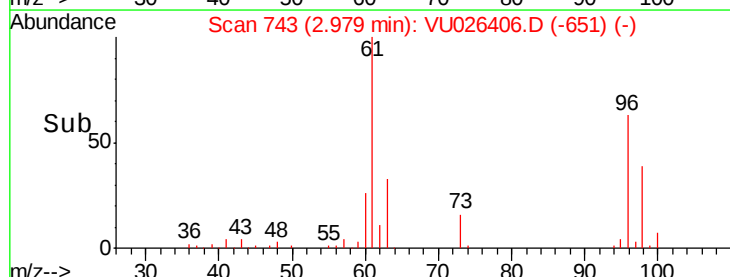
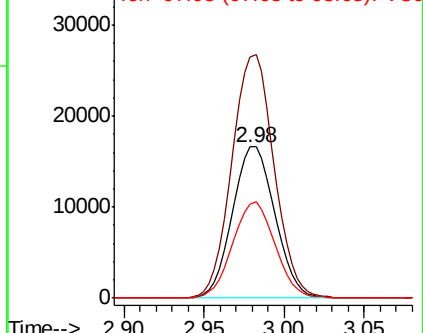
96 100

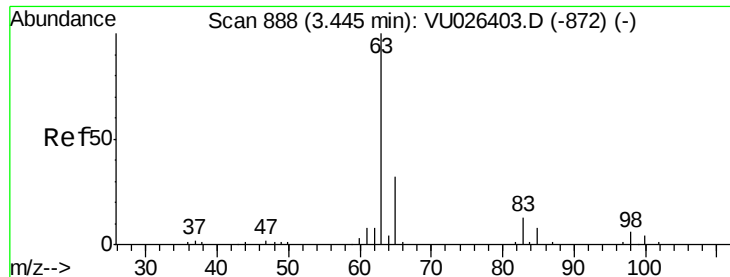
61 159.6 116.6 216.6

98 62.3 46.1 85.7



Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.05 (60.75 to 61.75): VU0
Ion 97.95 (97.65 to 98.65): VU0

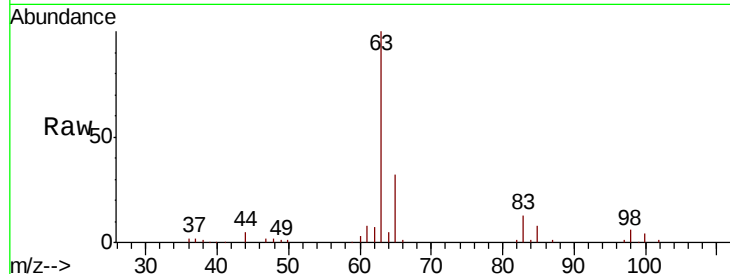




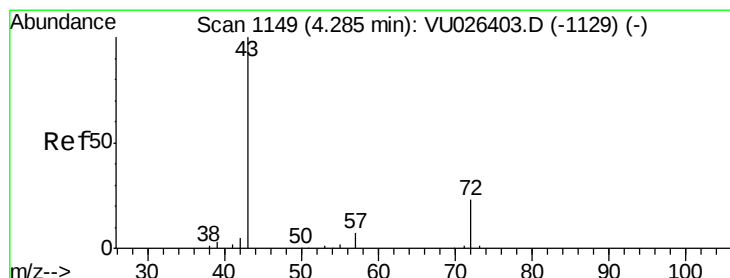
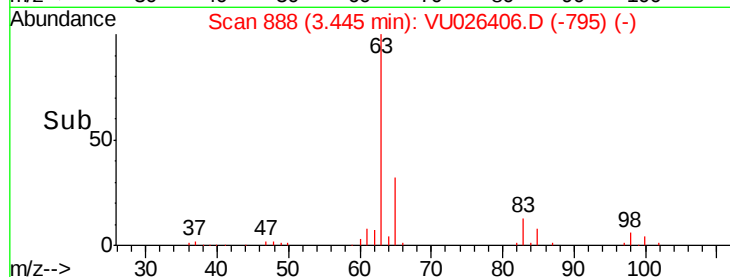
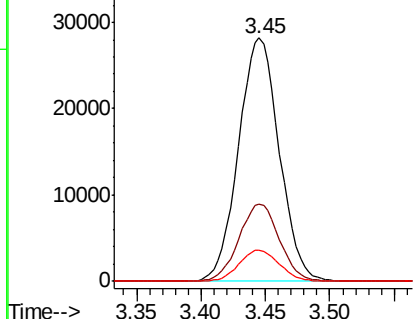
#19
 1,1-Dichloroethane
 Concen: 5.300 ug/L
 RT: 3.45 min Scan# 888
 Delta R.T. -0.00 min
 Lab File: VU026406.D
 Acq: 28 Aug 2018 18:07

Instrument :
 MSVOA_U
 ClientSampleId :
 VICV47

Tgt Ion: 63 Resp: 61998
 Ion Ratio Lower Upper
 63 100
 65 31.7 22.2 41.2
 83 12.7 9.2 17.2

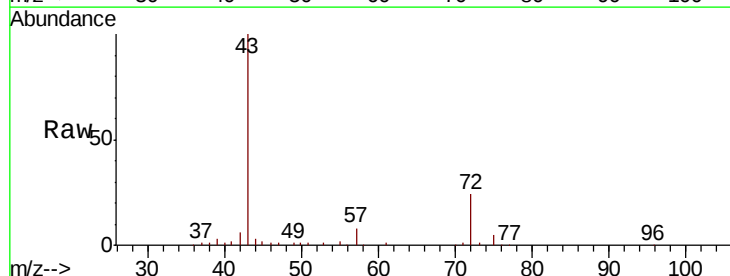


Abundance Ion 63.10 (62.80 to 63.80): VU0
 Ion 65.10 (64.80 to 65.80): VU0
 Ion 83.05 (82.75 to 83.75): VU0

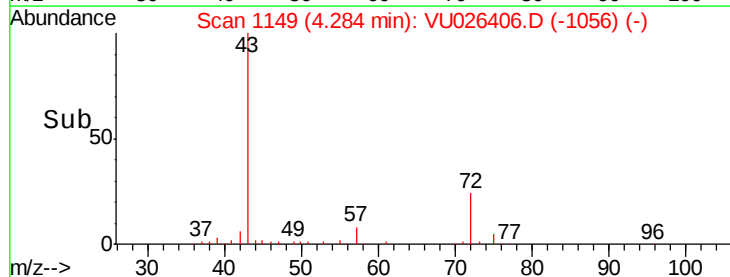
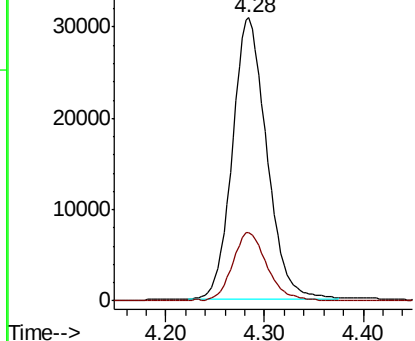


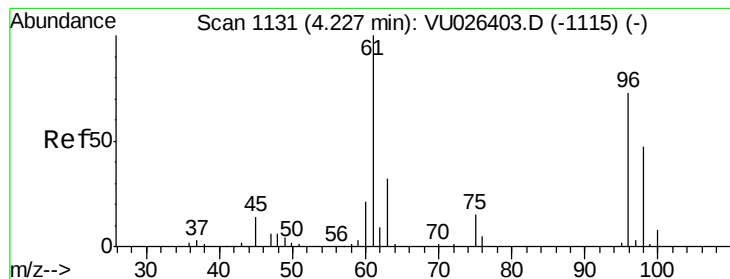
#21
 2-Butanone
 Concen: 50.332 ug/L
 RT: 4.28 min Scan# 1149
 Delta R.T. -0.00 min
 Lab File: VU026406.D
 Acq: 28 Aug 2018 18:07

Tgt Ion: 43 Resp: 74034
 Ion Ratio Lower Upper
 43 100
 72 24.7 11.4 34.1



Abundance Ion 43.05 (42.75 to 43.75): VU0
 Ion 72.10 (71.80 to 72.80): VU0





#22

cis-1,2-Dichloroethene

Concen: 5.111 ug/L

RT: 4.23 min Scan# 1131

Delta R.T. -0.00 min

Lab File: VU026406.D

Acq: 28 Aug 2018 18:07

Instrument :

MSVOA_U

ClientSampleId :

VICV47

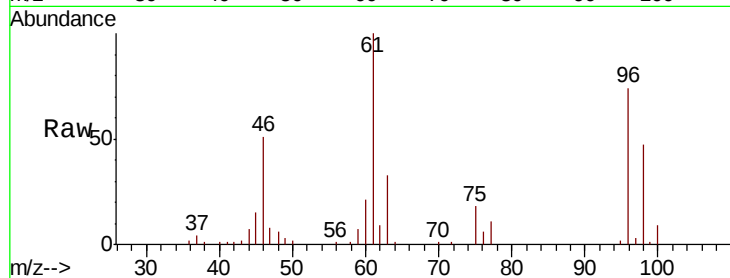
Tgt Ion: 96 Resp: 29200

Ion Ratio Lower Upper

96 100

61 134.3 95.9 178.1

68 0.0 0.0 0.0

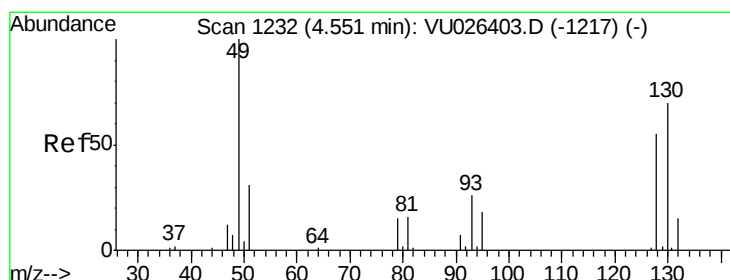
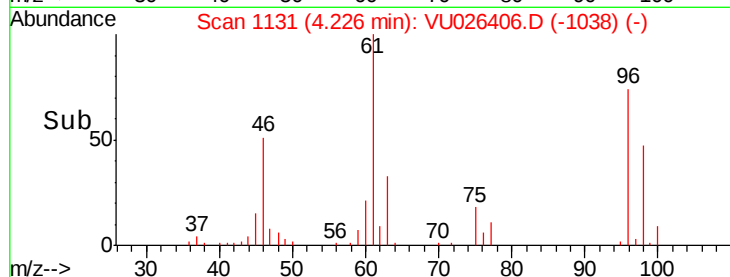
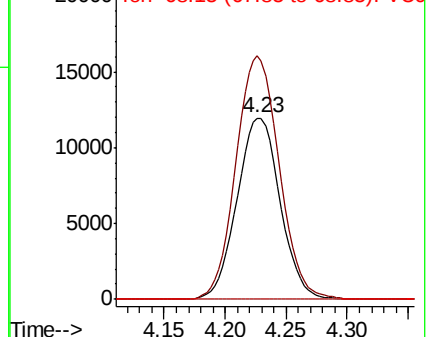


Abundance

Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 68.15 (67.85 to 68.85): VU0



#23

Bromochloromethane

Concen: 5.218 ug/L

RT: 4.55 min Scan# 1232

Delta R.T. -0.00 min

Lab File: VU026406.D

Acq: 28 Aug 2018 18:07

Tgt Ion: 128 Resp: 12068

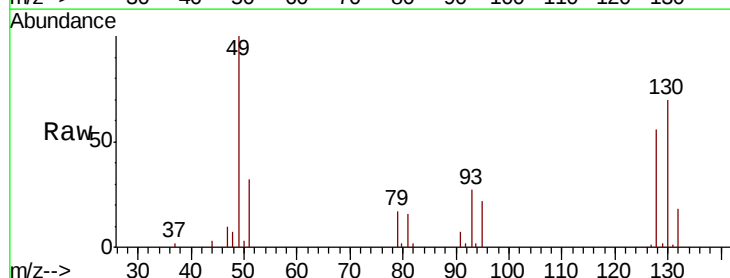
Ion Ratio Lower Upper

128 100

49 179.3 126.8 235.4

130 126.1 88.6 164.6

51 57.2 45.2 67.8



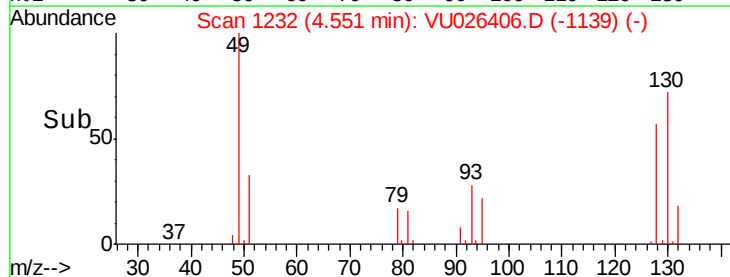
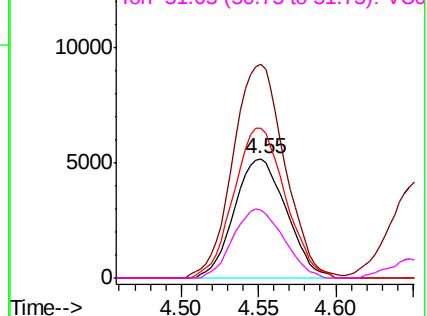
Abundance

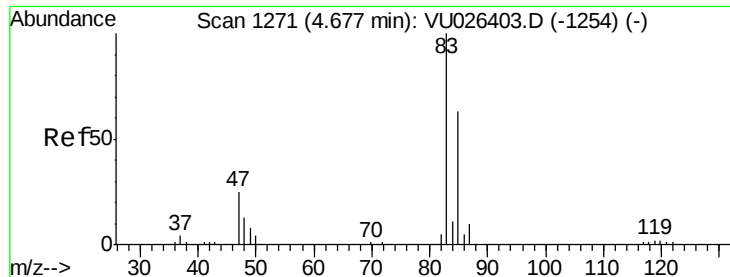
Ion 127.90 (127.60 to 128.60): V

Ion 49.10 (48.80 to 49.80): VU0

Ion 129.95 (129.65 to 130.65): V

Ion 51.05 (50.75 to 51.75): VU0

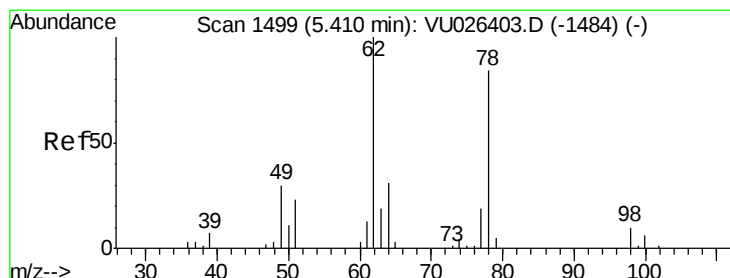
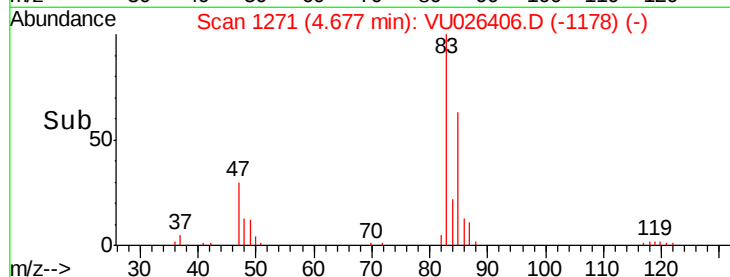
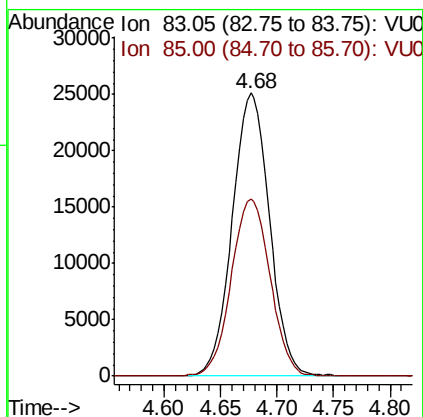
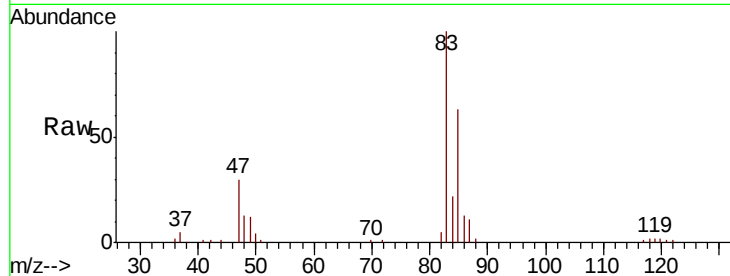




#25
 Chloroform
 Concen: 5.121 ug/L
 RT: 4.68 min Scan# 1271
 Delta R.T. -0.00 min
 Lab File: VU026406.D
 Acq: 28 Aug 2018 18:07

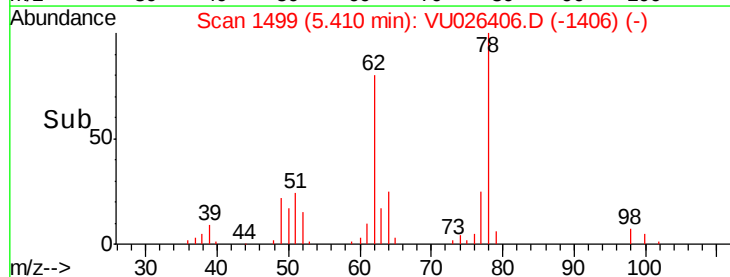
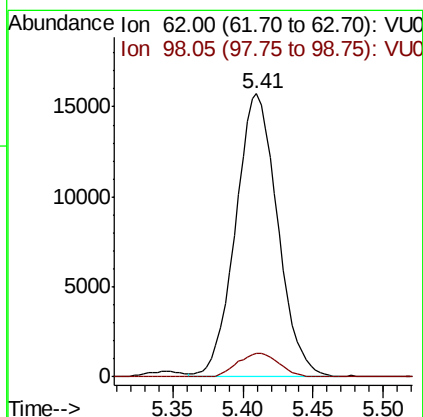
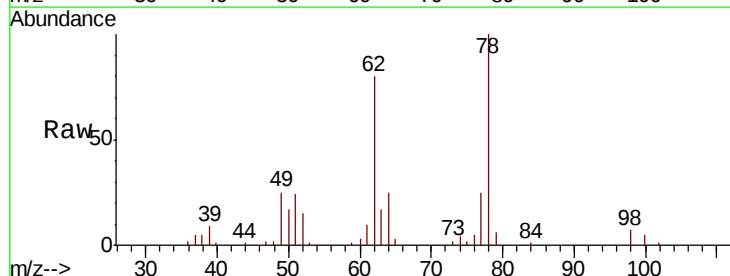
Instrument :
 MSVOA_U
 ClientSampled :
 VICV47

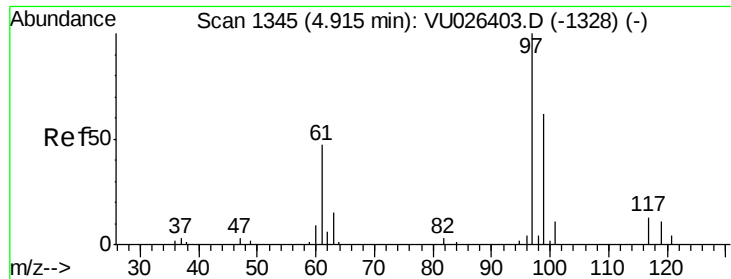
Tgt Ion: 83 Resp: 57617
 Ion Ratio Lower Upper
 83 100
 85 62.6 43.8 81.4



#27
 1,2-Dichloroethane
 Concen: 5.242 ug/L
 RT: 5.41 min Scan# 1499
 Delta R.T. -0.00 min
 Lab File: VU026406.D
 Acq: 28 Aug 2018 18:07

Tgt Ion: 62 Resp: 32835
 Ion Ratio Lower Upper
 62 100
 98 8.3 7.6 11.4

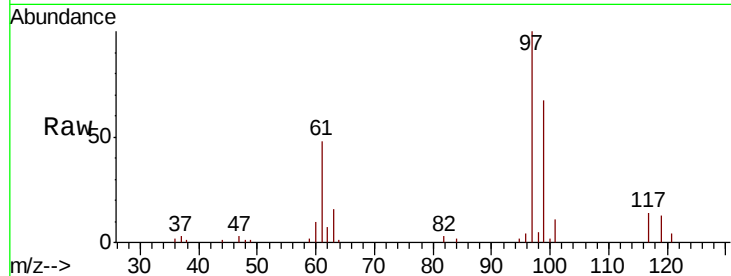




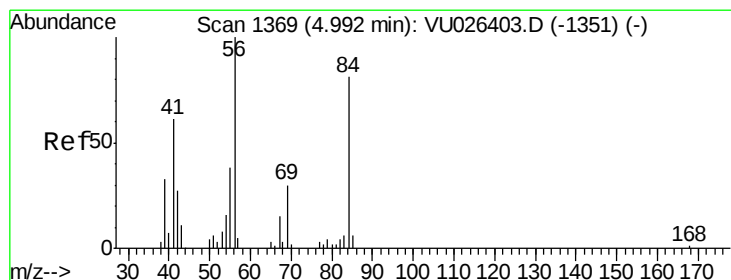
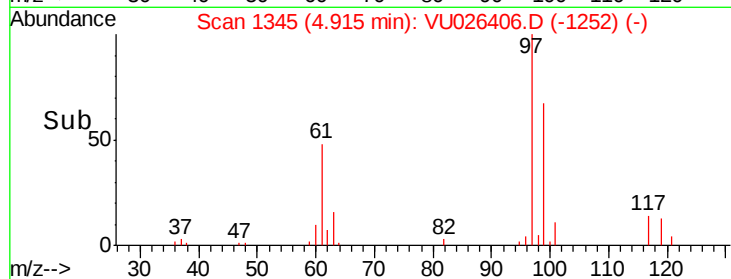
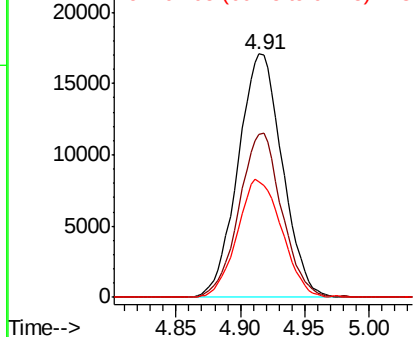
#29
 1,1,1-Trichloroethane
 Concen: 5.157 ug/L
 RT: 4.91 min Scan# 1345
 Delta R.T. -0.00 min
 Lab File: VU026406.D
 Acq: 28 Aug 2018 18:07

Instrument :
 MSVOA_U
 ClientSampled :
 VICV47

Tgt Ion: 97 Resp: 40805
 Ion Ratio Lower Upper
 97 100
 99 65.2 51.8 77.8
 61 48.7 40.1 60.1

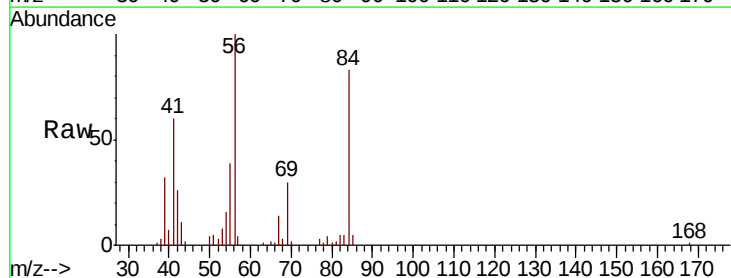


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 61.05 (60.75 to 61.75): VU0

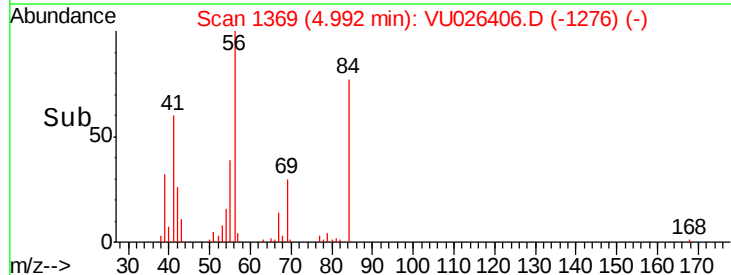
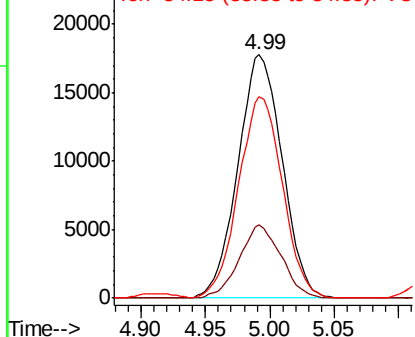


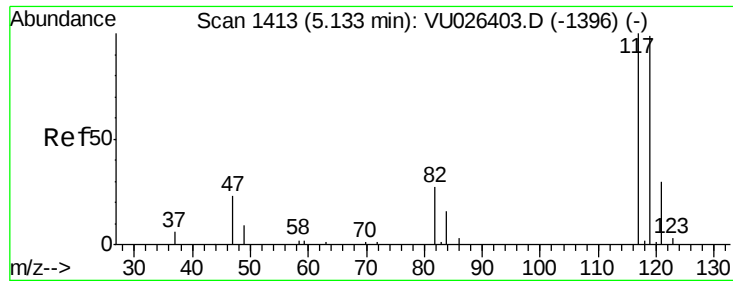
#30
 Cyclohexane
 Concen: 5.259 ug/L
 RT: 4.99 min Scan# 1369
 Delta R.T. -0.00 min
 Lab File: VU026406.D
 Acq: 28 Aug 2018 18:07

Tgt Ion: 56 Resp: 42561
 Ion Ratio Lower Upper
 56 100
 69 28.3 23.1 34.7
 84 82.0 64.8 97.2



Abundance Ion 56.10 (55.80 to 56.80): VU0
 Ion 69.15 (68.85 to 69.85): VU0
 Ion 84.15 (83.85 to 84.85): VU0





#31

Carbon tetrachloride

Concen: 5.228 ug/L

RT: 5.13 min Scan# 1413

Delta R.T. -0.00 min

Lab File: VU026406.D

Acq: 28 Aug 2018 18:07

Instrument :

MSVOA_U

ClientSampleId :

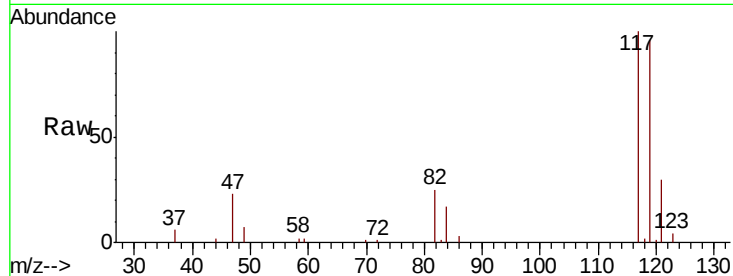
VICV47

Tgt Ion:117 Resp: 37308

Ion Ratio Lower Upper

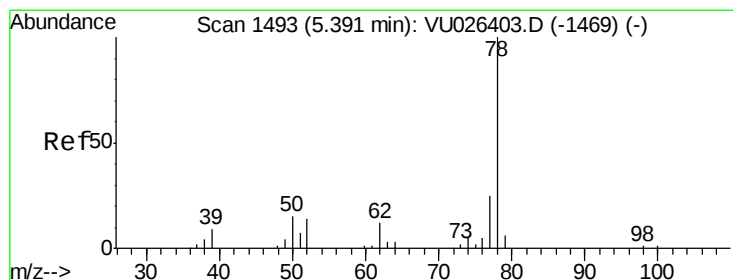
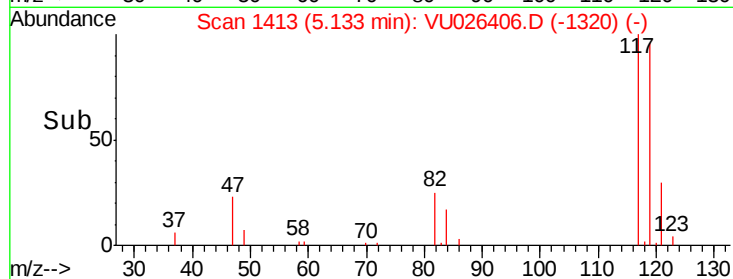
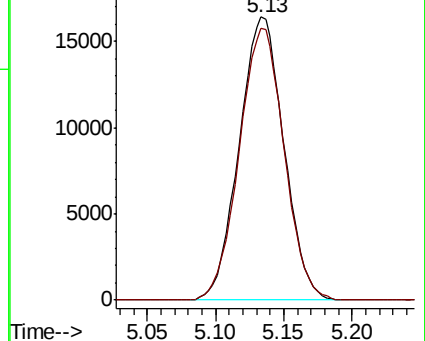
117 100

119 96.6 76.7 115.1



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 5.225 ug/L

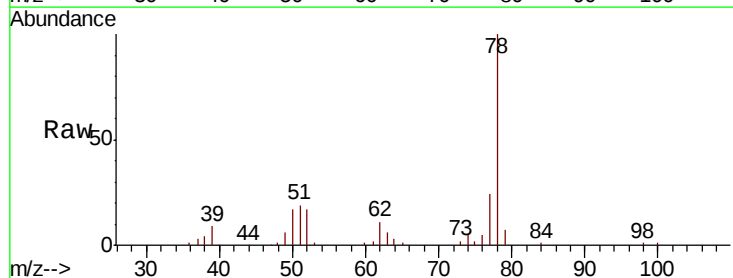
RT: 5.39 min Scan# 1493

Delta R.T. -0.00 min

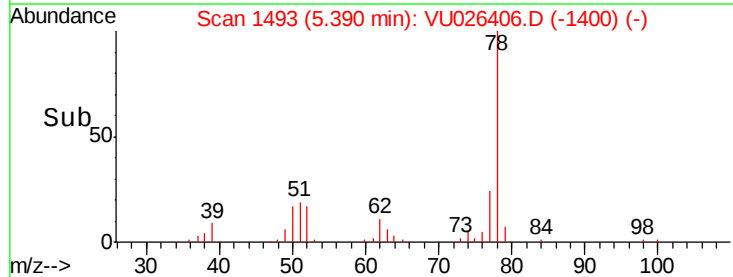
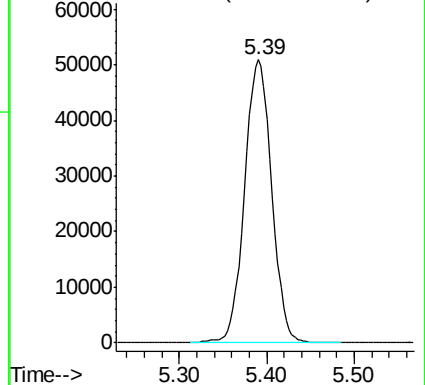
Lab File: VU026406.D

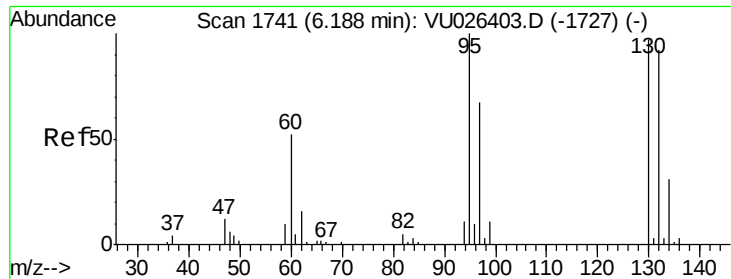
Acq: 28 Aug 2018 18:07

Tgt Ion: 78 Resp: 109261



Abundance Ion 78.10 (77.80 to 78.80): VU0

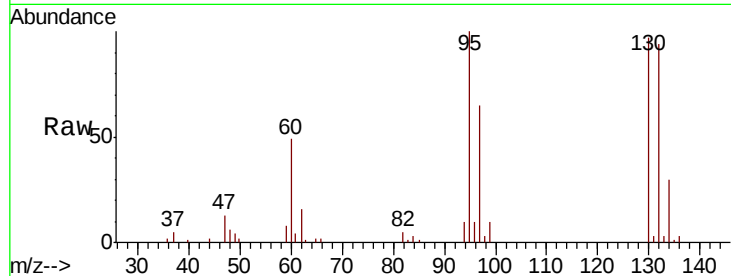




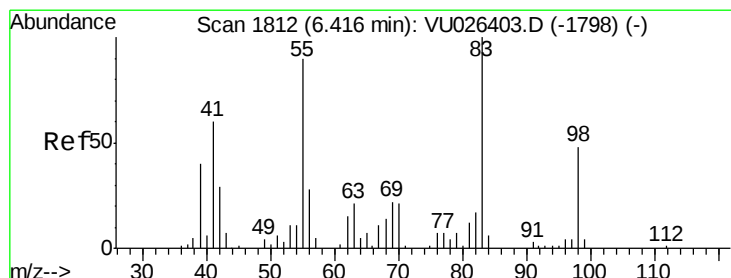
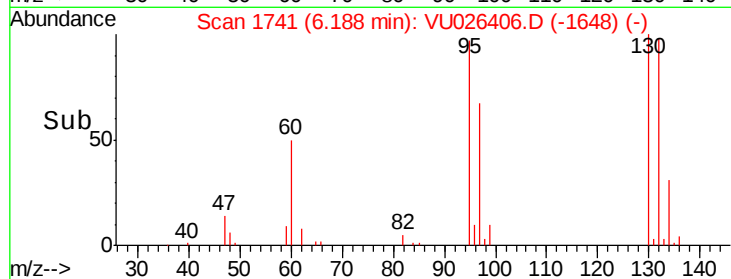
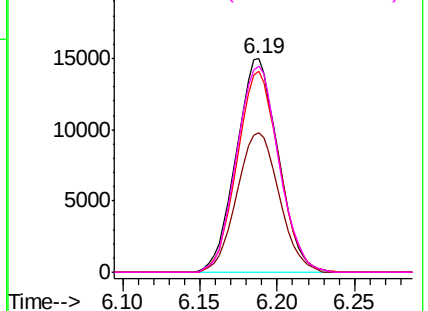
#34
 Trichloroethene
 Concen: 5.009 ug/L
 RT: 6.19 min Scan# 1741
 Delta R.T. -0.00 min
 Lab File: VU026406.D
 Acq: 28 Aug 2018 18:07

Instrument :
 MSVOA_U
 ClientSampleId :
 VICV47

Tgt Ion: 95 Resp: 28284
 Ion Ratio Lower Upper
 95 100
 97 65.1 46.6 86.6
 132 94.3 64.2 119.2
 130 96.6 68.2 126.6

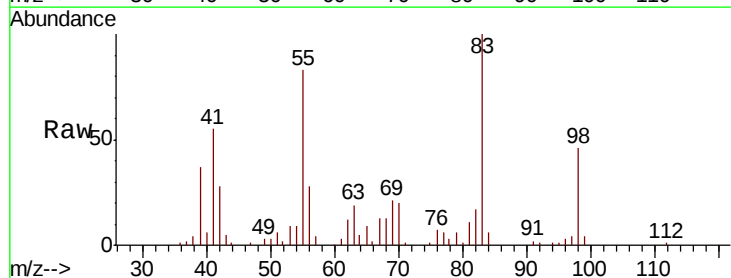


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

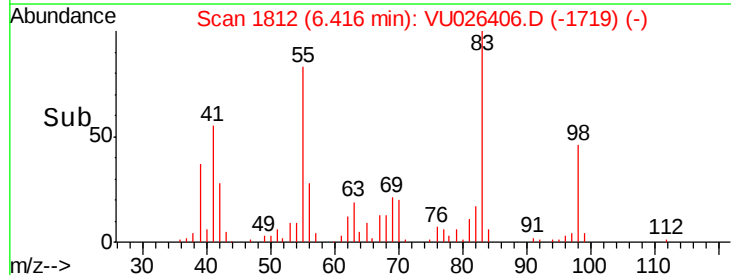
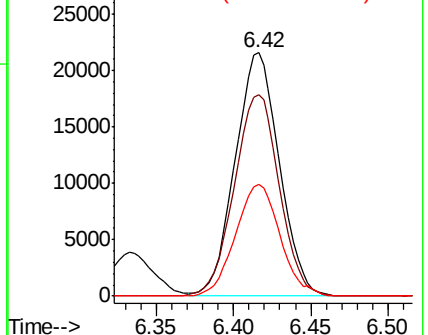


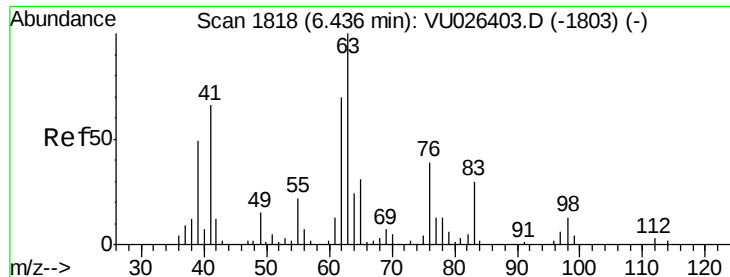
#35
 Methylcyclohexane
 Concen: 5.331 ug/L
 RT: 6.42 min Scan# 1812
 Delta R.T. -0.00 min
 Lab File: VU026406.D
 Acq: 28 Aug 2018 18:07

Tgt Ion: 83 Resp: 42817
 Ion Ratio Lower Upper
 83 100
 55 84.1 68.1 102.1
 98 46.3 36.0 54.0



Abundance Ion 83.15 (82.85 to 83.85): VU0
 Ion 55.10 (54.80 to 55.80): VU0
 Ion 98.15 (97.85 to 98.85): VU0

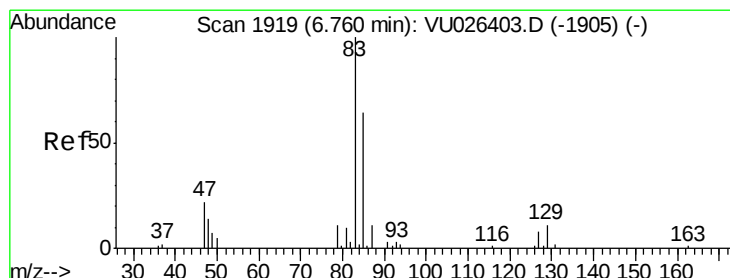
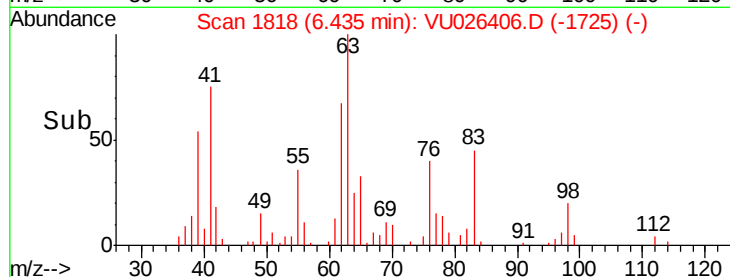
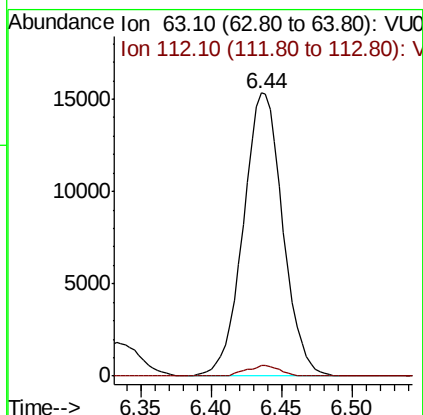
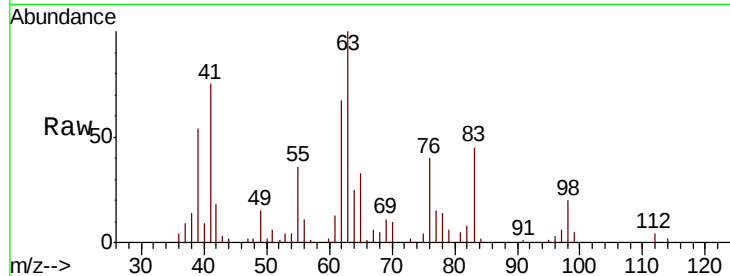




#37
 1,2-Dichloropropane
 Concen: 5.187 ug/L
 RT: 6.44 min Scan# 1818
 Delta R.T. -0.00 min
 Lab File: VU026406.D
 Acq: 28 Aug 2018 18:07

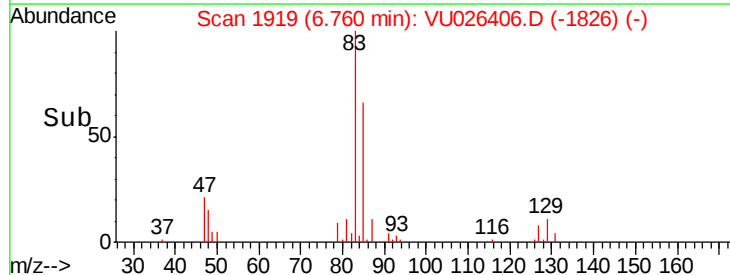
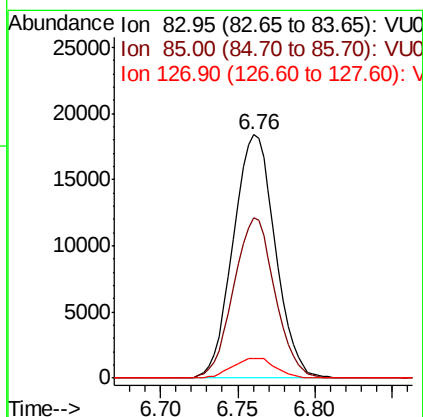
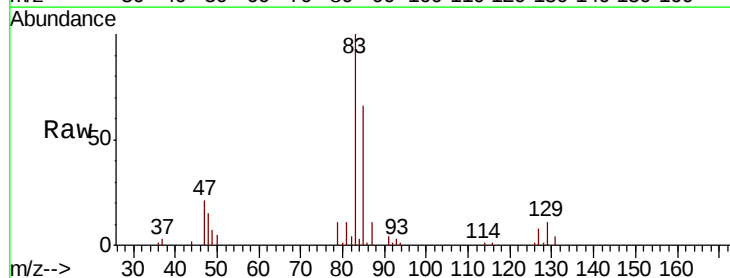
Instrument :
 MSVOA_U
 ClientSampled :
 VICV47

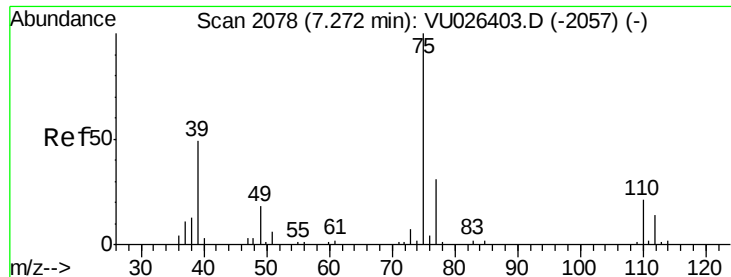
Tgt Ion: 63 Resp: 30071
 Ion Ratio Lower Upper
 63 100
 112 3.1 2.9 4.3



#38
 Bromodichloromethane
 Concen: 5.091 ug/L
 RT: 6.76 min Scan# 1919
 Delta R.T. -0.00 min
 Lab File: VU026406.D
 Acq: 28 Aug 2018 18:07

Tgt Ion: 83 Resp: 34698
 Ion Ratio Lower Upper
 83 100
 85 65.7 44.7 83.1
 127 8.2 6.6 10.0

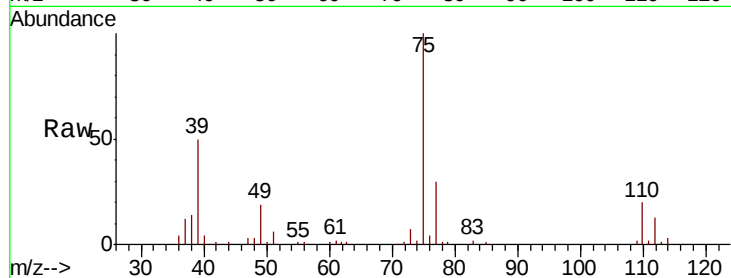




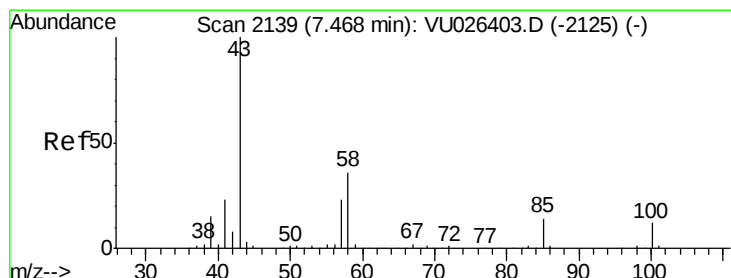
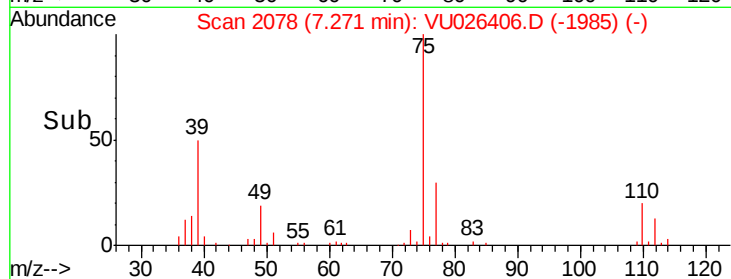
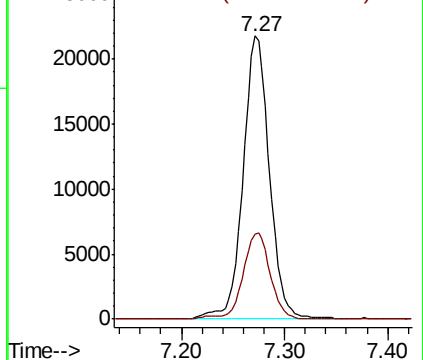
#39
 cis-1,3-Dichloropropene
 Concen: 5.245 ug/L
 RT: 7.27 min Scan# 2078
 Delta R.T. -0.00 min
 Lab File: VU026406.D
 Acq: 28 Aug 2018 18:07

Instrument :
 MSVOA_U
 ClientSampleId :
 VICV47

Tgt Ion: 75 Resp: 38618
 Ion Ratio Lower Upper
 75 100
 77 30.2 21.3 39.6

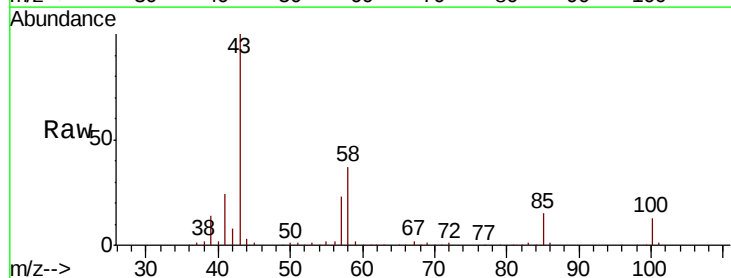


Abundance Ion 75.05 (74.75 to 75.75): VU026406.D (-1985) (-)
 Ion 77.05 (76.75 to 77.75): VU026406.D (-1985) (-)

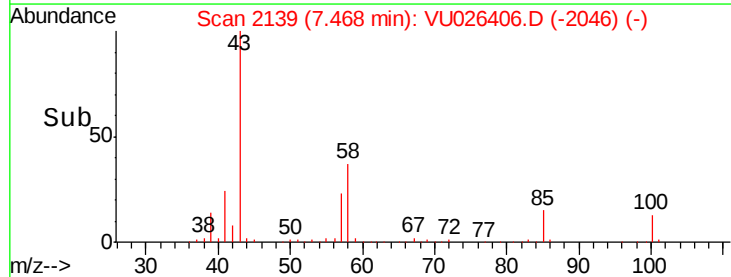
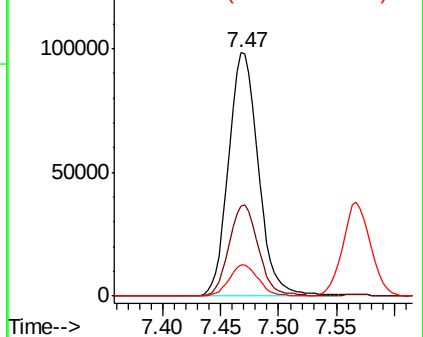


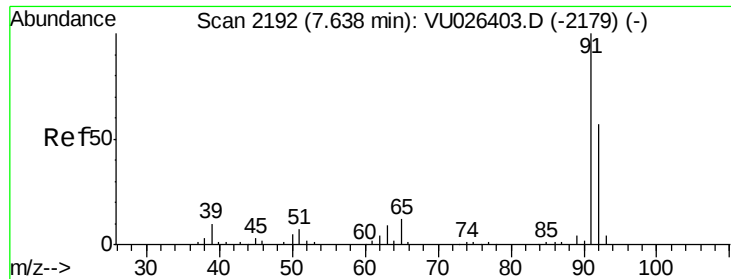
#40
 4-Methyl-2-pentanone
 Concen: 53.550 ug/L
 RT: 7.47 min Scan# 2139
 Delta R.T. -0.00 min
 Lab File: VU026406.D
 Acq: 28 Aug 2018 18:07

Tgt Ion: 43 Resp: 174825
 Ion Ratio Lower Upper
 43 100
 58 36.9 29.3 43.9
 100 12.6 9.8 14.8



Abundance Ion 43.05 (42.75 to 43.75): VU026406.D (-2046) (-)
 Ion 58.05 (57.75 to 58.75): VU026406.D (-2046) (-)
 Ion 100.15 (99.85 to 100.85): VU026406.D (-2046) (-)





#42

Toluene

Concen: 5.415 ug/L

RT: 7.64 min Scan# 2192

Delta R.T. -0.00 min

Lab File: VU026406.D

Acq: 28 Aug 2018 18:07

Instrument :

MSVOA_U

ClientSampleId :

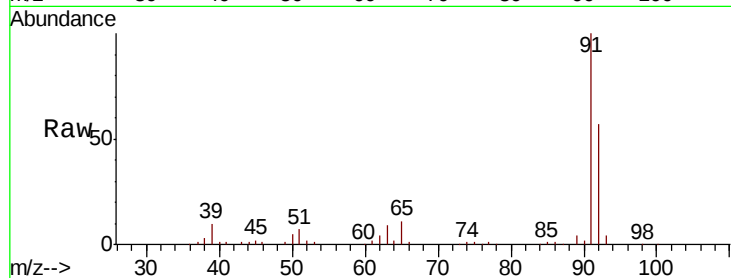
VICV47

Tgt Ion: 91 Resp: 115397

Ion Ratio Lower Upper

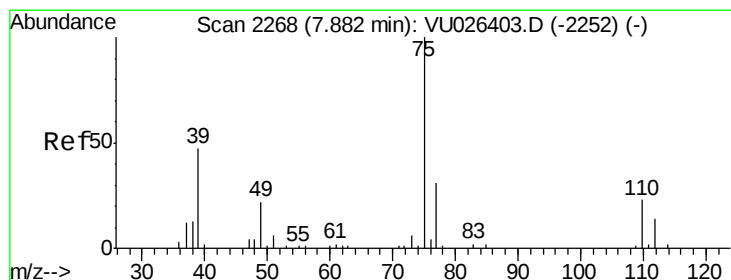
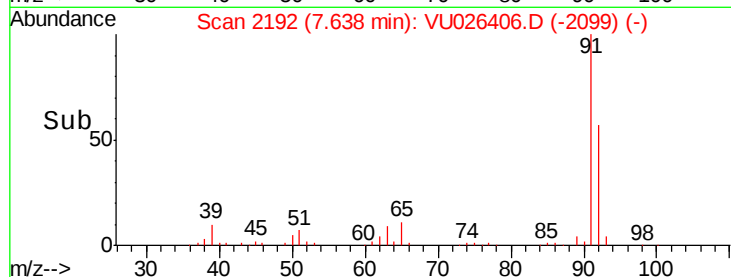
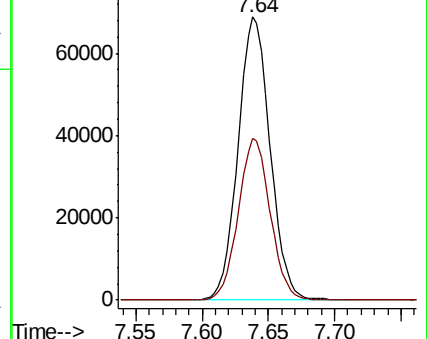
91 100

92 57.1 39.9 74.1



Abundance Ion 91.15 (90.85 to 91.85): VU0

Ion 92.15 (91.85 to 92.85): VU0



#44

trans-1,3-Dichloropropene

Concen: 5.362 ug/L

RT: 7.88 min Scan# 2268

Delta R.T. -0.00 min

Lab File: VU026406.D

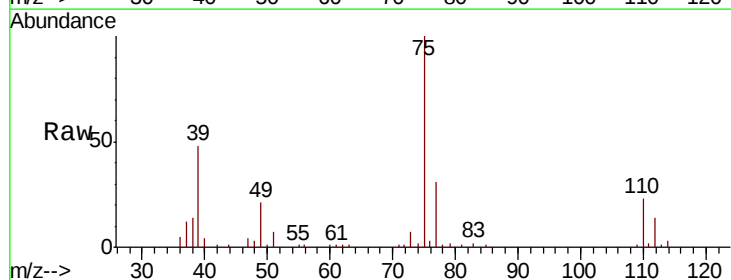
Acq: 28 Aug 2018 18:07

Tgt Ion: 75 Resp: 32531

Ion Ratio Lower Upper

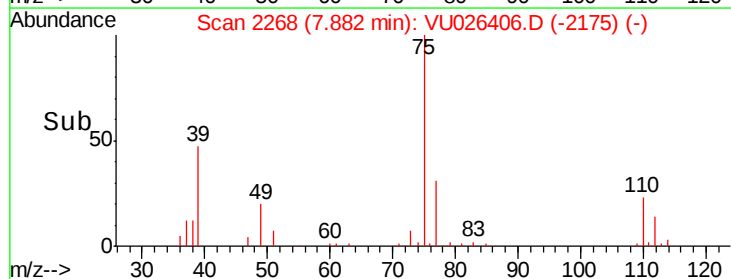
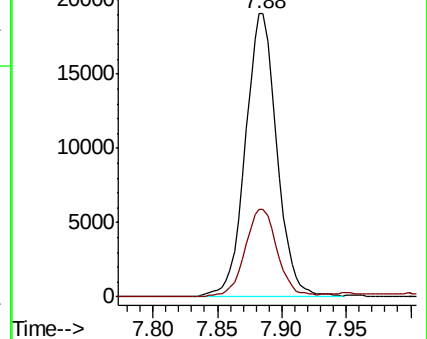
75 100

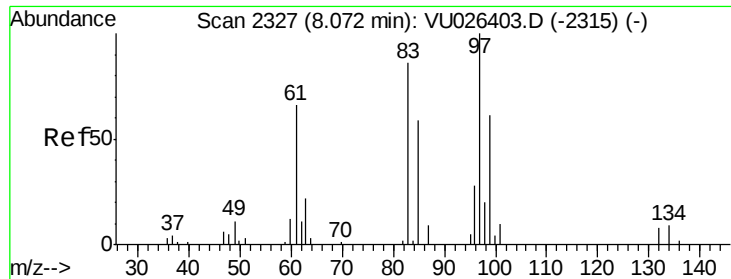
77 31.1 21.7 40.3



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0

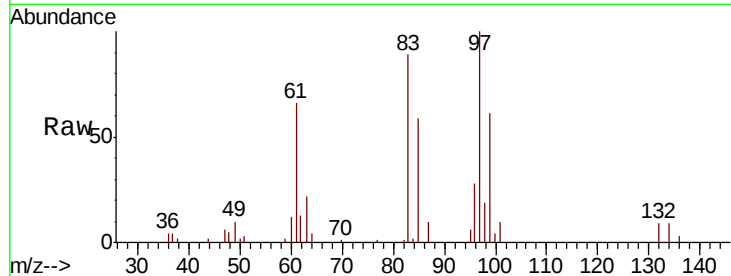




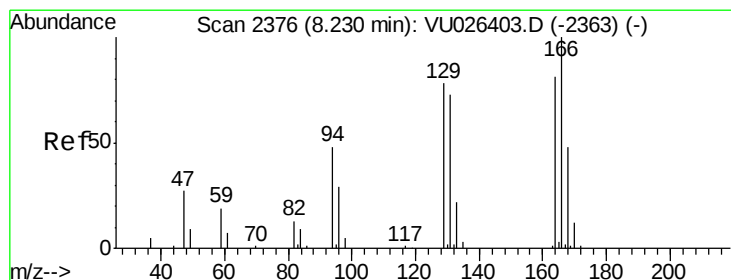
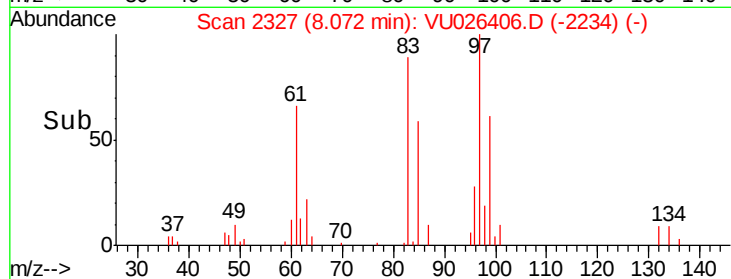
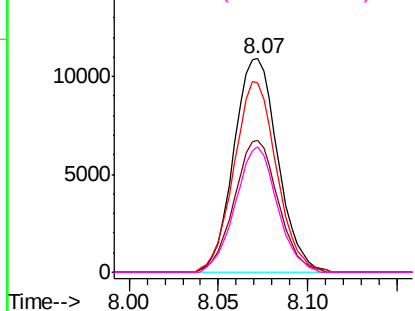
#45
 1,1,2-Trichloroethane
 Concen: 5.166 ug/L
 RT: 8.07 min Scan# 2327
 Delta R.T. -0.00 min
 Lab File: VU026406.D
 Acq: 28 Aug 2018 18:07

Instrument :
 MSVOA_U
 ClientSampleId :
 VICV47

Tgt Ion:	97	Resp:	18792
Ion	Ratio	Lower	Upper
97	100		
99	61.5	42.4	78.8
83	88.7	60.5	112.5
85	58.7	40.9	76.0

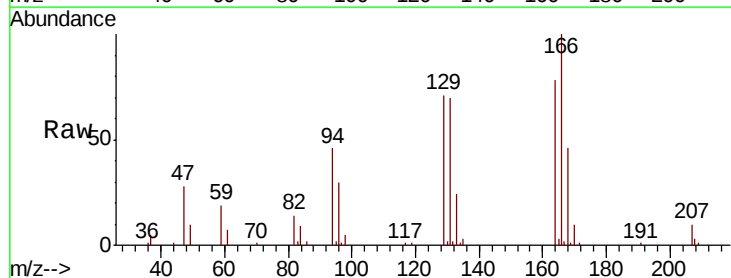


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 82.95 (82.65 to 83.65): VU0
 Ion 85.00 (84.70 to 85.70): VU0

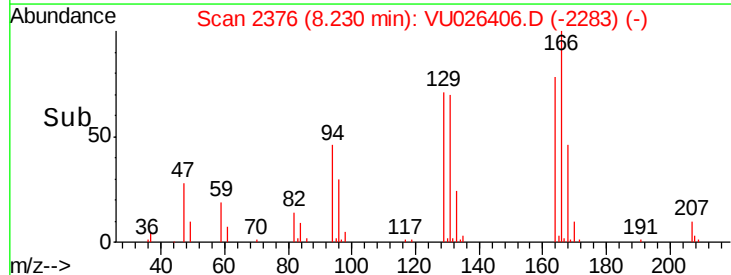
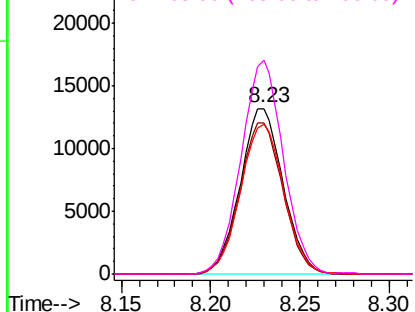


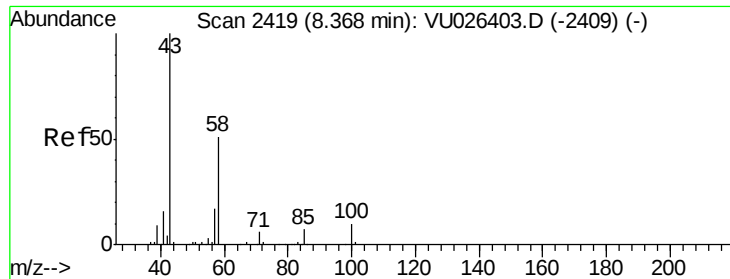
#47
 Tetrachloroethene
 Concen: 5.225 ug/L
 RT: 8.23 min Scan# 2376
 Delta R.T. -0.00 min
 Lab File: VU026406.D
 Acq: 28 Aug 2018 18:07

Tgt Ion:	164	Resp:	22192
Ion	Ratio	Lower	Upper
164	100		
129	91.1	67.8	126.0
131	90.3	63.1	117.3
166	129.0	86.5	160.7



Abundance Ion 163.90 (163.60 to 164.60): V
 Ion 128.95 (128.65 to 129.65): V
 Ion 130.95 (130.65 to 131.65): V
 Ion 165.90 (165.60 to 166.60): V

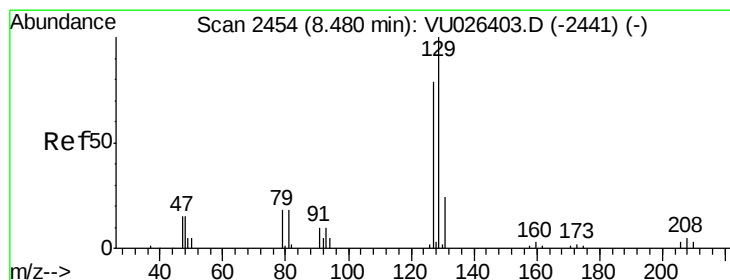
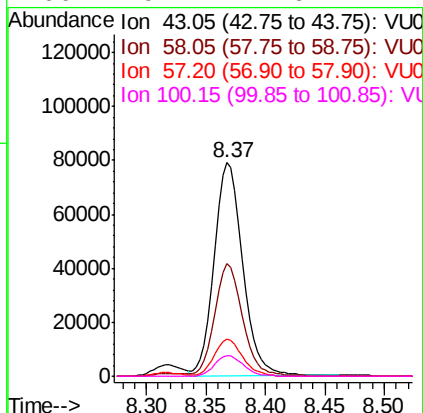
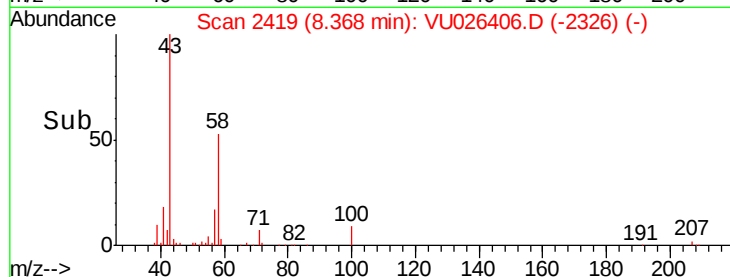
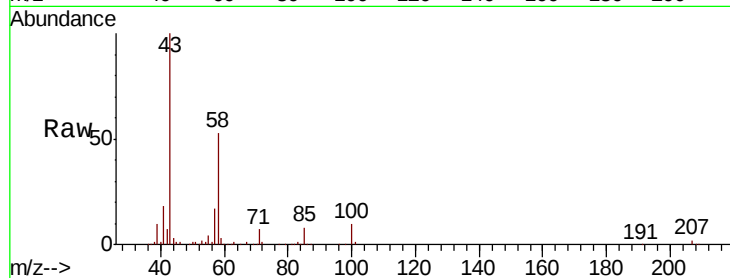




#48
2-Hexanone
Concen: 54.604 ug/L
RT: 8.37 min Scan# 2419
Delta R.T. -0.00 min
Lab File: VU026406.D
Acq: 28 Aug 2018 18:07

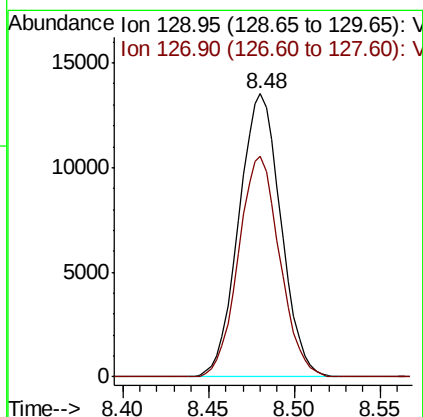
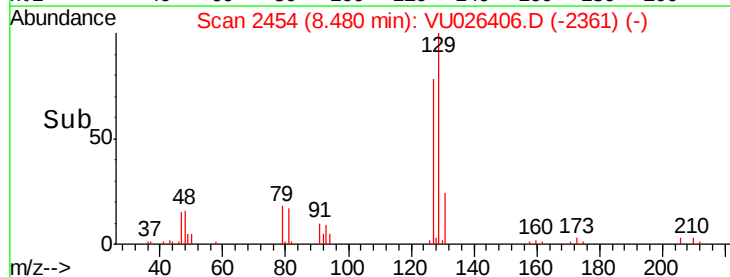
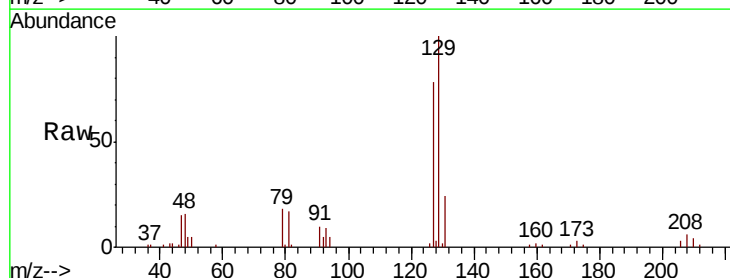
Instrument :
MSVOA_U
ClientSampleId :
VICV47

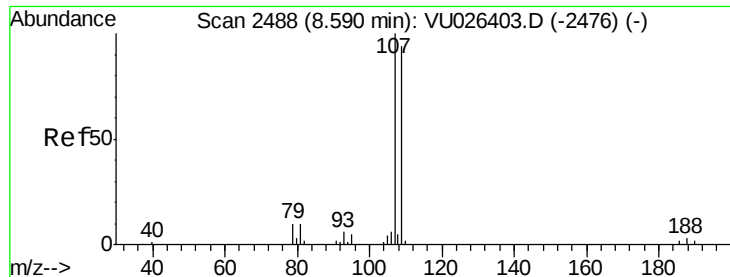
Tgt Ion:	43	Resp:	132018
Ion	Ratio	Lower	Upper
43	100		
58	51.4	40.5	60.7
57	17.1	14.0	21.0
100	9.7	7.6	11.4



#49
Dibromochloromethane
Concen: 5.189 ug/L
RT: 8.48 min Scan# 2454
Delta R.T. -0.00 min
Lab File: VU026406.D
Acq: 28 Aug 2018 18:07

Tgt Ion:	129	Resp:	23016
Ion	Ratio	Lower	Upper
129	100		
127	77.8	55.6	103.2

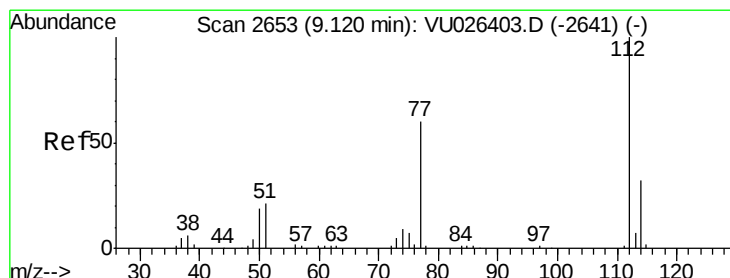
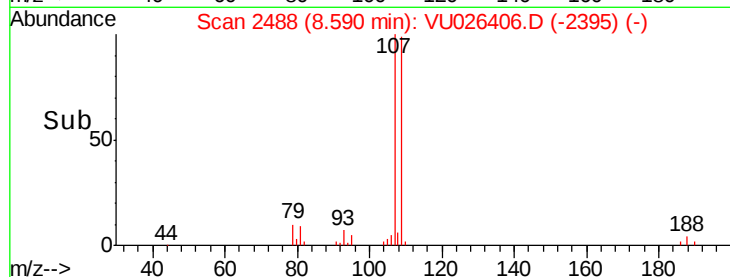
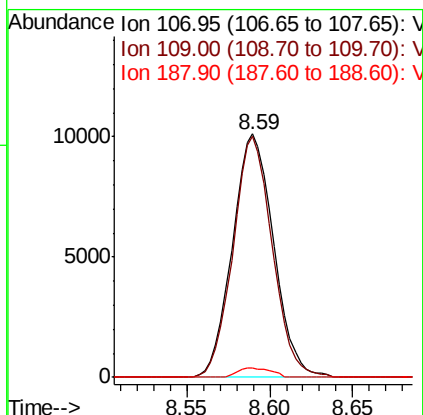
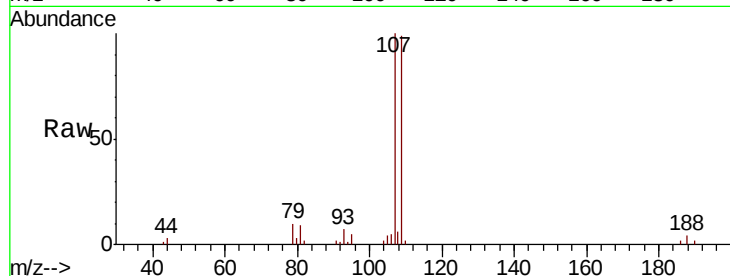




#50
 1,2-Dibromoethane
 Concen: 5.076 ug/L
 RT: 8.59 min Scan# 2488
 Delta R.T. -0.00 min
 Lab File: VU026406.D
 Acq: 28 Aug 2018 18:07

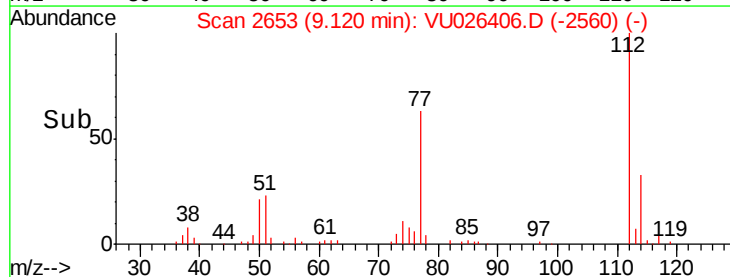
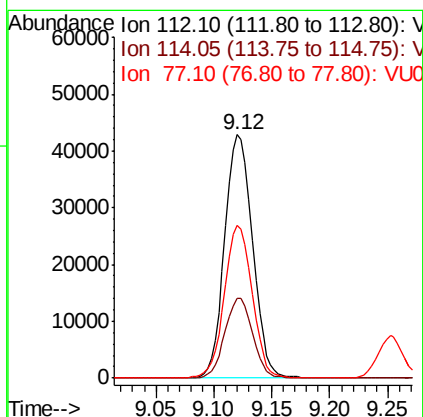
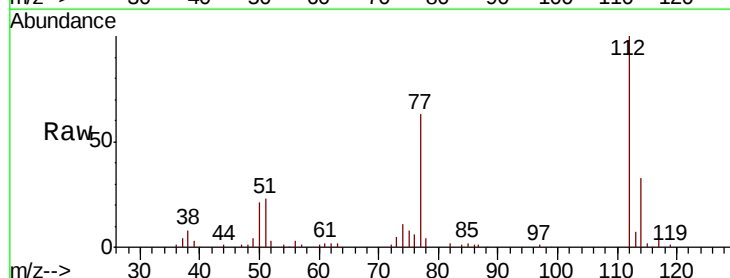
Instrument :
 MSVOA_U
 ClientSampleId :
 VICV47

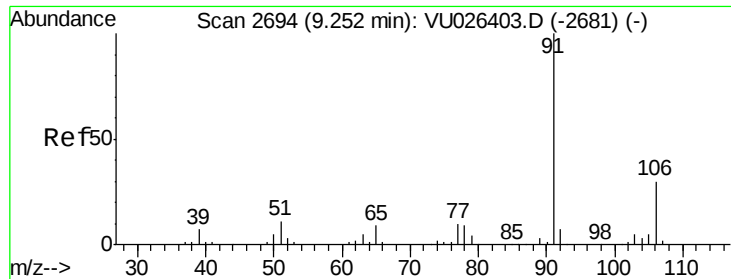
Tgt Ion:107 Resp: 17460
 Ion Ratio Lower Upper
 107 100
 109 98.9 65.7 121.9
 188 3.6 2.7 4.1



#51
 Chlorobenzene
 Concen: 5.167 ug/L
 RT: 9.12 min Scan# 2653
 Delta R.T. -0.00 min
 Lab File: VU026406.D
 Acq: 28 Aug 2018 18:07

Tgt Ion:112 Resp: 71414
 Ion Ratio Lower Upper
 112 100
 114 32.5 22.3 41.3
 77 62.6 48.4 72.6





#52

Ethylbenzene

Concen: 5.388 ug/L

RT: 9.25 min Scan# 2694

Delta R.T. -0.00 min

Lab File: VU026406.D

Acq: 28 Aug 2018 18:07

Instrument :

MSVOA_U

ClientSampleId :

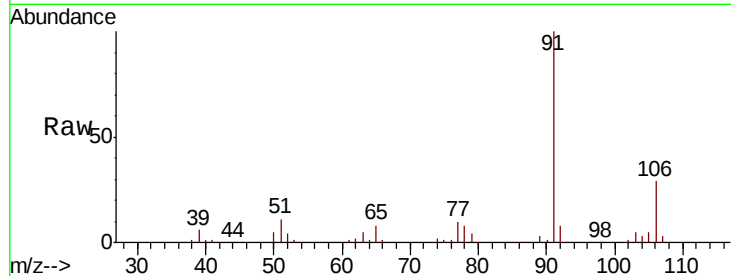
VICV47

Tgt Ion: 91 Resp: 121670

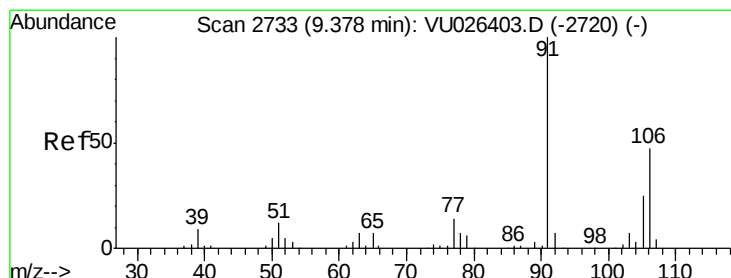
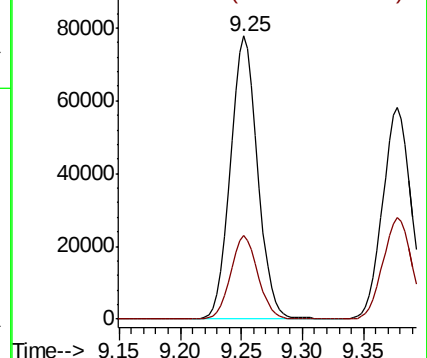
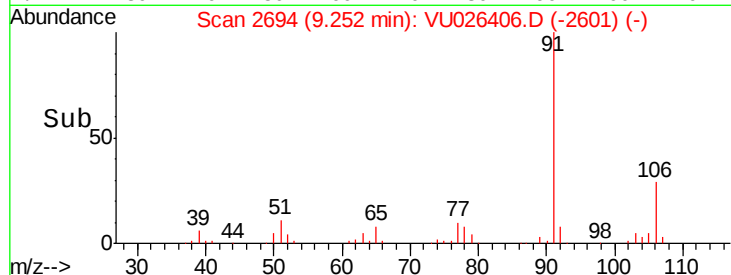
Ion Ratio Lower Upper

91 100

106 29.4 21.2 39.4



Abundance Ion 91.15 (90.85 to 91.85): VU026406.D (-2601) (-)



#53

m,p-xylene

Concen: 5.518 ug/L

RT: 9.38 min Scan# 2733

Delta R.T. -0.00 min

Lab File: VU026406.D

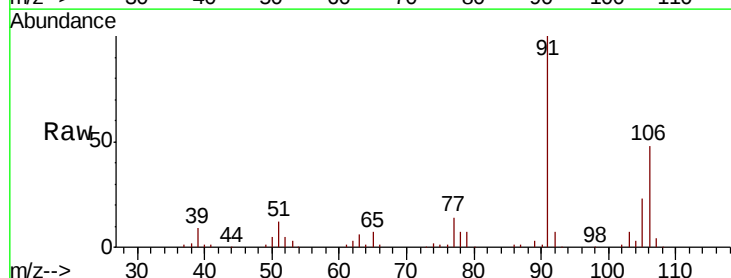
Acq: 28 Aug 2018 18:07

Tgt Ion: 106 Resp: 45834

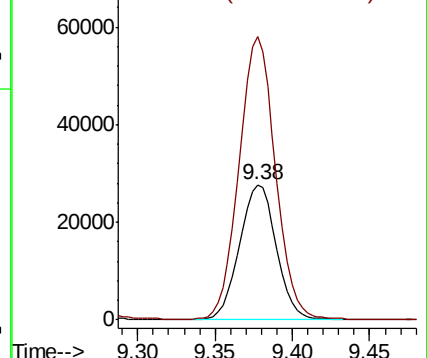
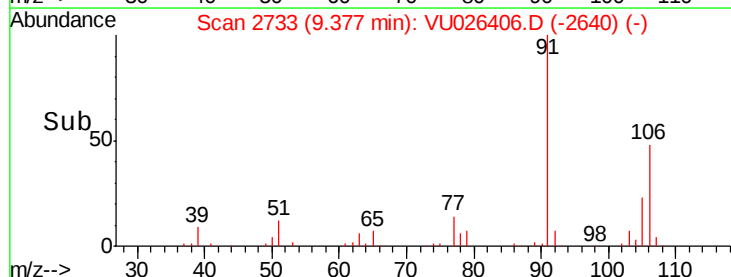
Ion Ratio Lower Upper

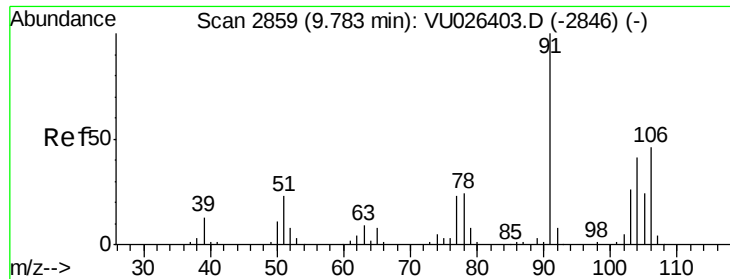
106 100

91 208.8 148.4 275.6



Abundance Ion 106.15 (105.85 to 106.85): VU026406.D (-2640) (-)





#54

o-xylene

Concen: 5.593 ug/L

RT: 9.78 min Scan# 2859

Delta R.T. -0.00 min

Lab File: VU026406.D

Acq: 28 Aug 2018 18:07

Instrument :

MSVOA_U

ClientSampleId :

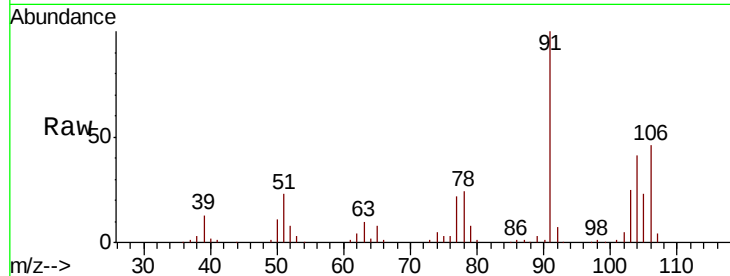
VICV47

Tgt Ion:106 Resp: 43951

Ion Ratio Lower Upper

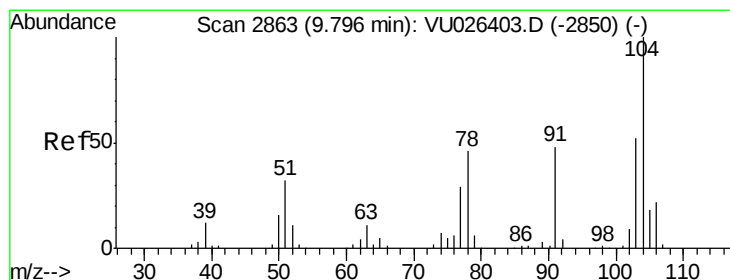
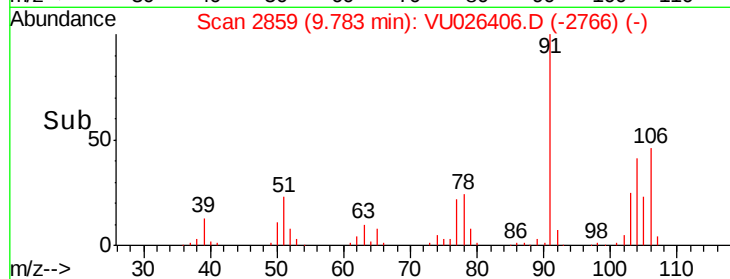
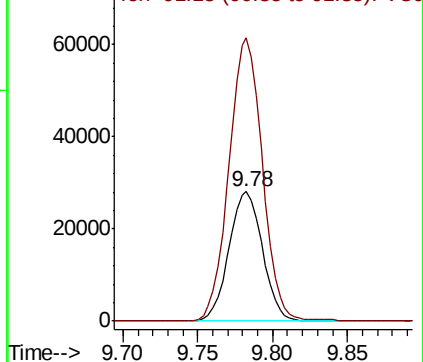
106 100

91 219.0 152.9 283.9



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VU0



#55

Styrene

Concen: 5.683 ug/L

RT: 9.80 min Scan# 2863

Delta R.T. -0.00 min

Lab File: VU026406.D

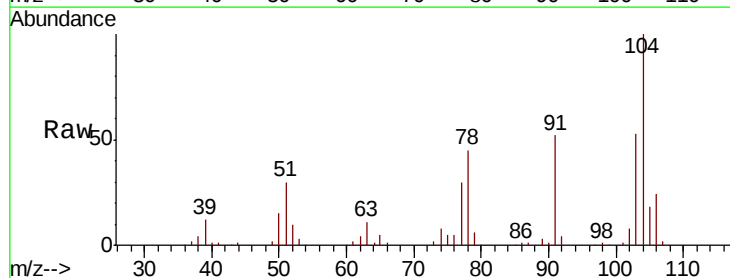
Acq: 28 Aug 2018 18:07

Tgt Ion:104 Resp: 78219

Ion Ratio Lower Upper

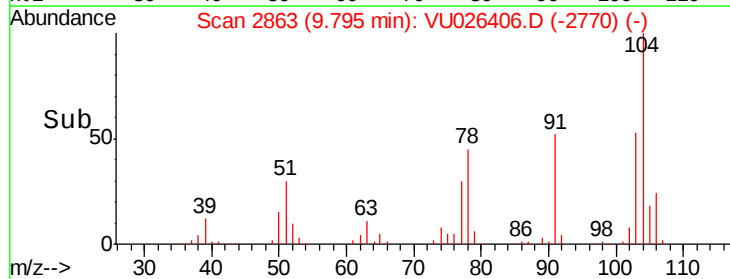
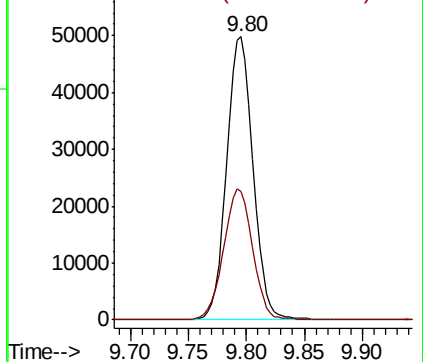
104 100

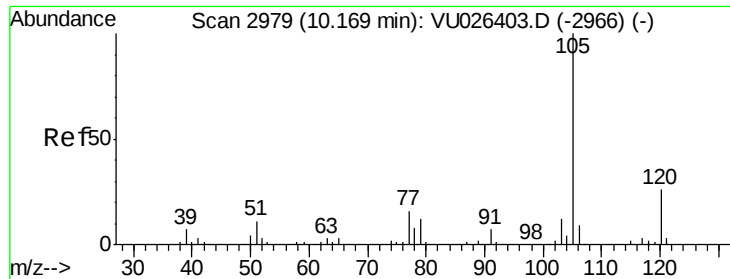
78 45.4 32.4 60.2



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VU0





#56

Isopropylbenzene

Concen: 5.540 ug/L

RT: 10.17 min Scan# 2979

Delta R.T. -0.00 min

Lab File: VU026406.D

Acq: 28 Aug 2018 18:07

Instrument :

MSVOA_U

ClientSampleId :

VICV47

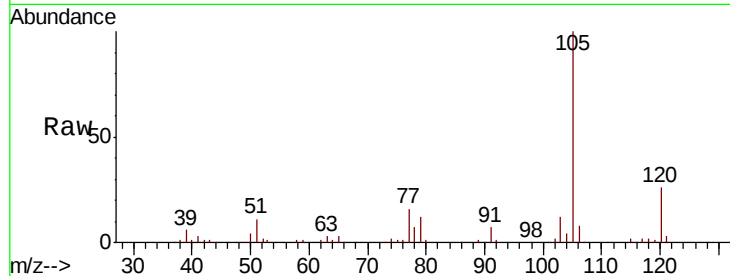
Tgt Ion: 105 Resp: 115789

Ion Ratio Lower Upper

105 100

120 25.9 20.8 31.2

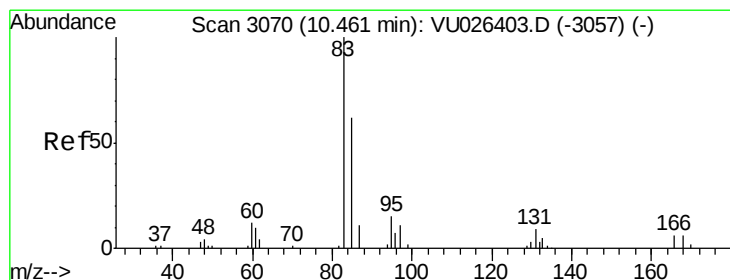
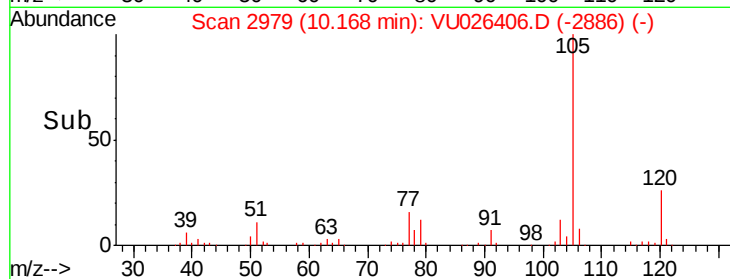
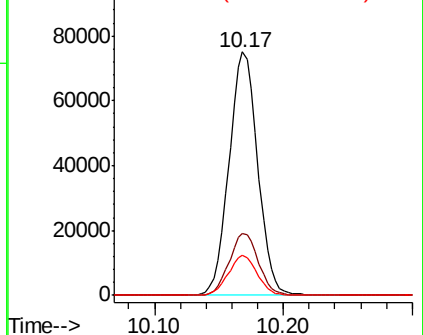
77 16.6 13.4 20.2



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 5.105 ug/L

RT: 10.46 min Scan# 3070

Delta R.T. -0.00 min

Lab File: VU026406.D

Acq: 28 Aug 2018 18:07

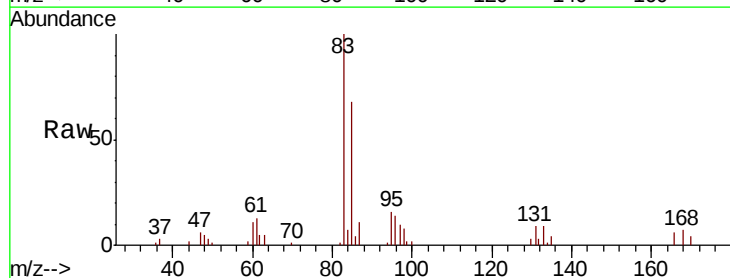
Tgt Ion: 83 Resp: 24333

Ion Ratio Lower Upper

83 100

85 68.5 44.1 81.9

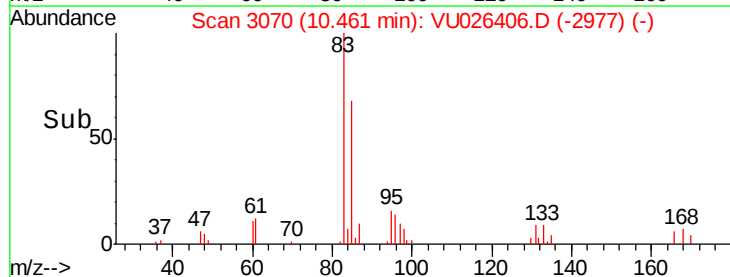
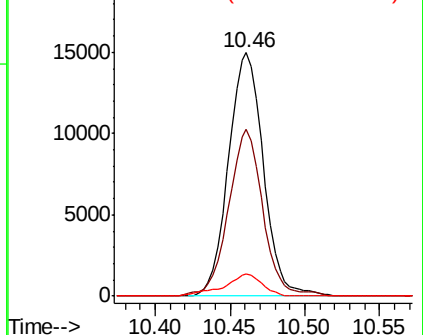
131 9.2 7.3 10.9

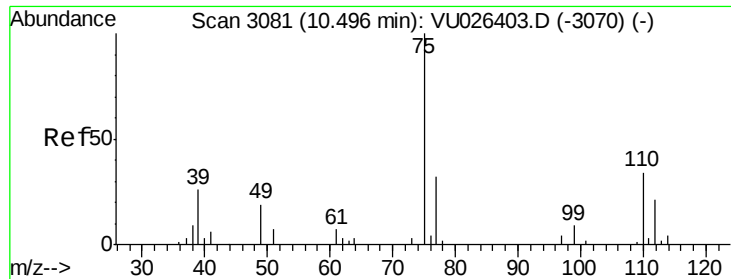


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V

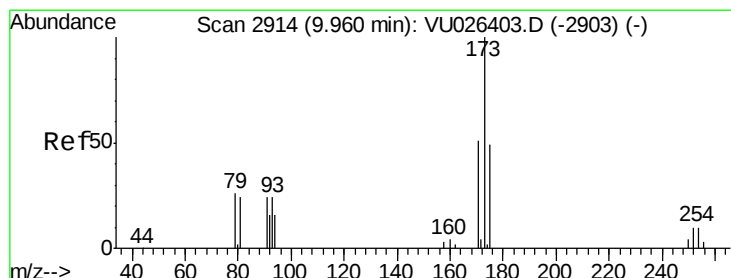
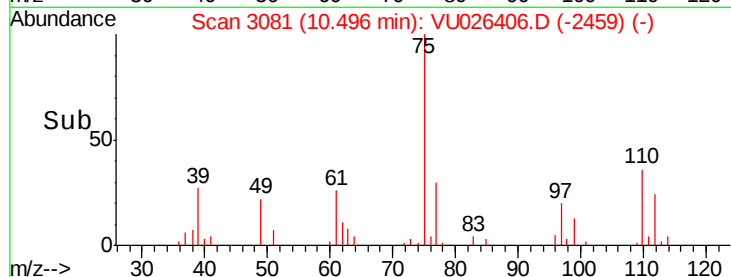
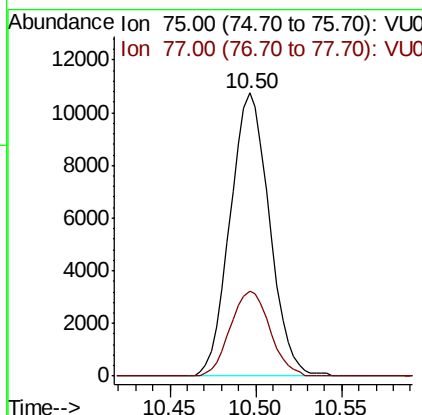
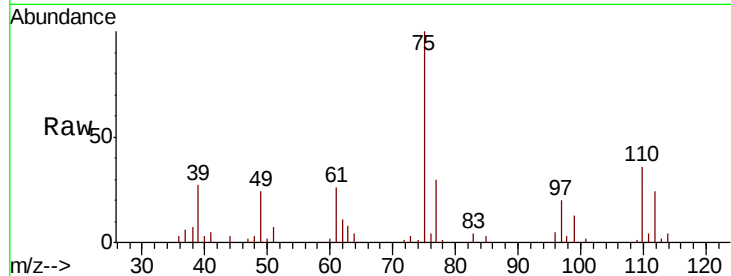




#59
 1,2,3-Trichloropropane
 Concen: 5.099 ug/L
 RT: 10.50 min Scan# 3081
 Delta R.T. -0.00 min
 Lab File: VU026406.D
 Acq: 28 Aug 2018 18:07

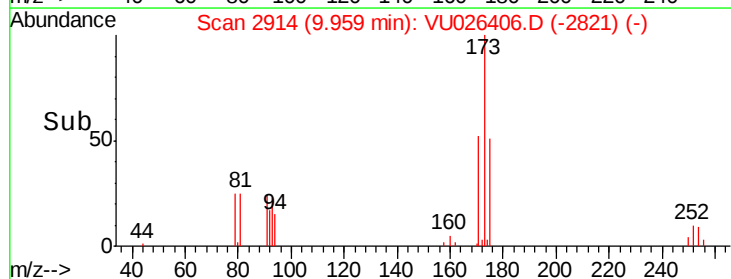
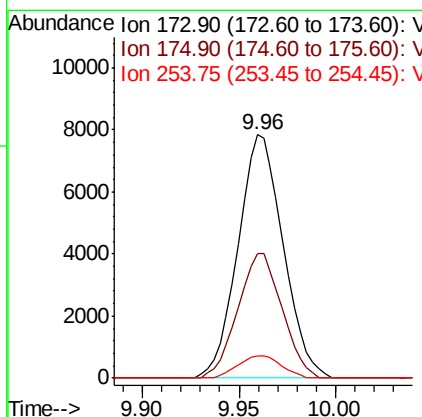
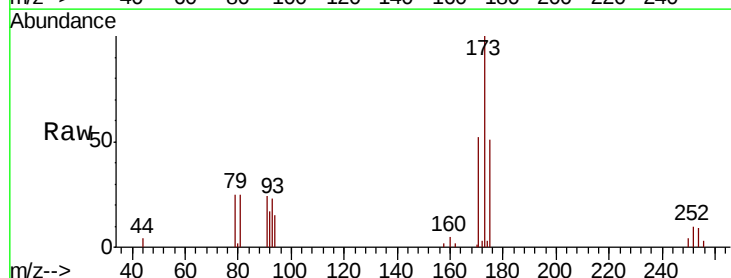
Instrument :
 MSVOA_U
 ClientSampleId :
 VICV47

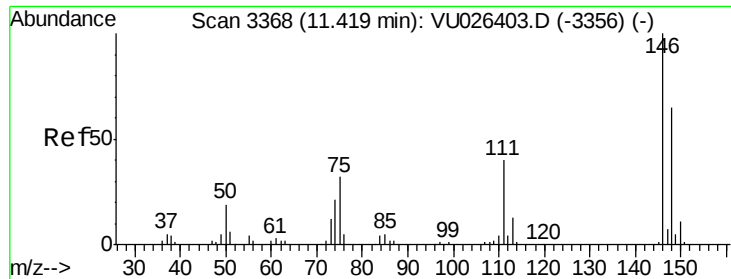
Tgt Ion: 75 Resp: 17080
 Ion Ratio Lower Upper
 75 100
 77 30.3 25.0 37.4



#61
 Bromoform
 Concen: 5.139 ug/L
 RT: 9.96 min Scan# 2914
 Delta R.T. -0.00 min
 Lab File: VU026406.D
 Acq: 28 Aug 2018 18:07

Tgt Ion: 173 Resp: 12736
 Ion Ratio Lower Upper
 173 100
 175 50.2 40.0 60.0
 254 8.8 7.9 11.9

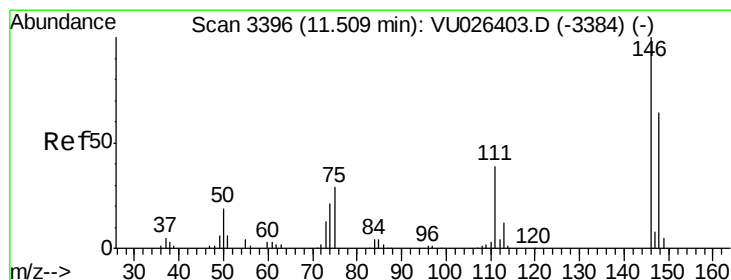
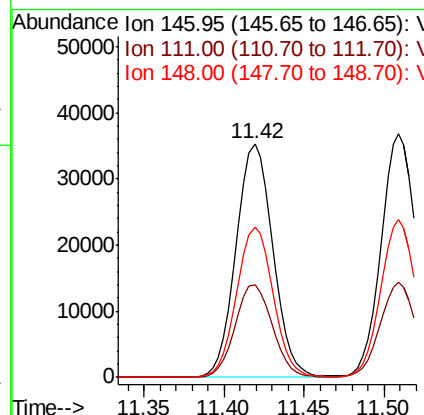
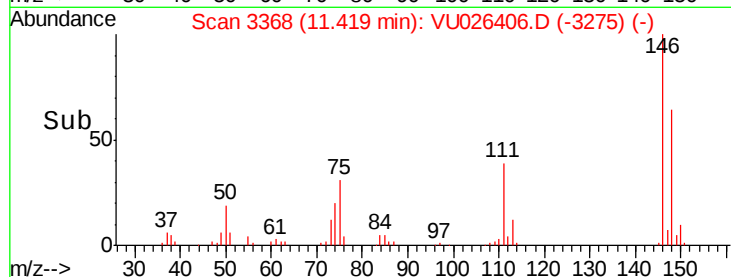
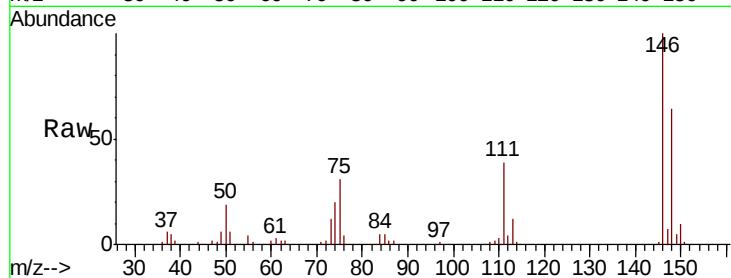




#62
 1,3-Dichlorobenzene
 Concen: 5.493 ug/L
 RT: 11.42 min Scan# 3368
 Delta R.T. -0.00 min
 Lab File: VU026406.D
 Acq: 28 Aug 2018 18:07

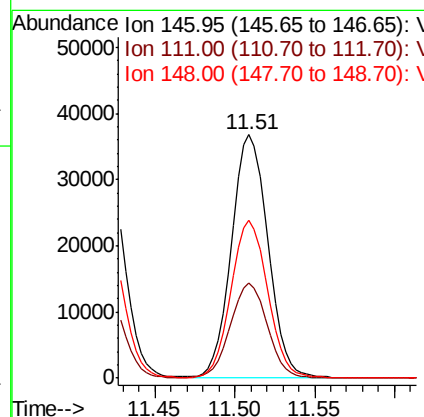
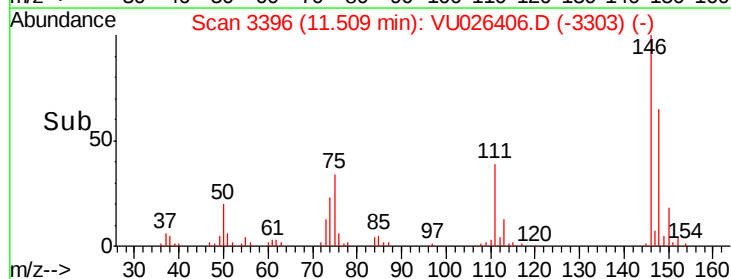
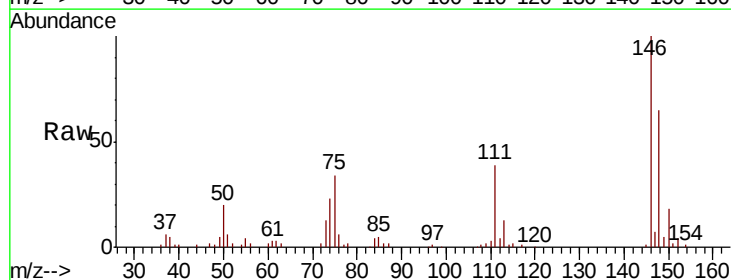
Instrument :
 MSVOA_U
 ClientSampleId :
 VICV47

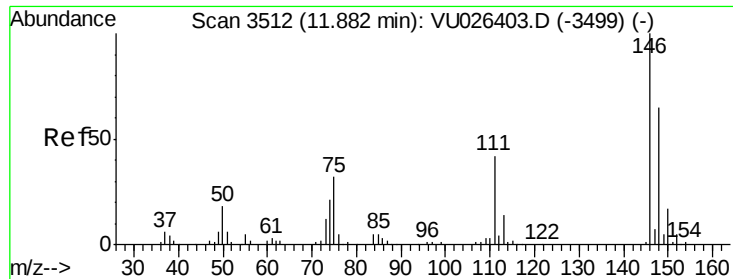
Tgt Ion:146 Resp: 55442
 Ion Ratio Lower Upper
 146 100
 111 39.4 28.1 52.1
 148 64.4 45.4 84.4



#63
 1,4-Dichlorobenzene
 Concen: 5.396 ug/L
 RT: 11.51 min Scan# 3396
 Delta R.T. -0.00 min
 Lab File: VU026406.D
 Acq: 28 Aug 2018 18:07

Tgt Ion:146 Resp: 57286
 Ion Ratio Lower Upper
 146 100
 111 38.9 27.2 50.4
 148 64.6 44.9 83.5





#65

1,2-Dichlorobenzene

Concen: 5.312 ug/L

RT: 11.88 min Scan# 3512

Delta R.T. -0.00 min

Lab File: VU026406.D

Acq: 28 Aug 2018 18:07

Instrument :

MSVOA_U

ClientSampleId :

VICV47

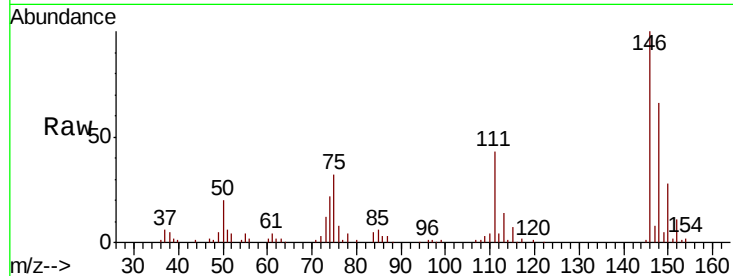
Tgt Ion:146 Resp: 52989

Ion Ratio Lower Upper

146 100

111 43.3 33.7 50.5

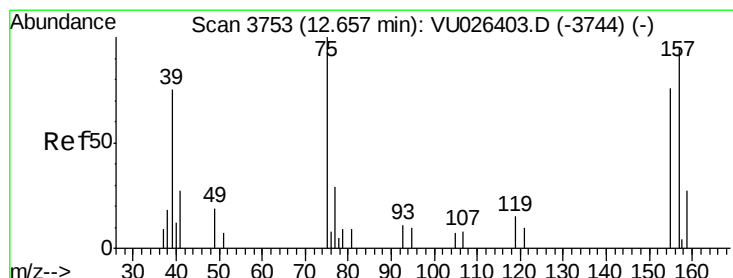
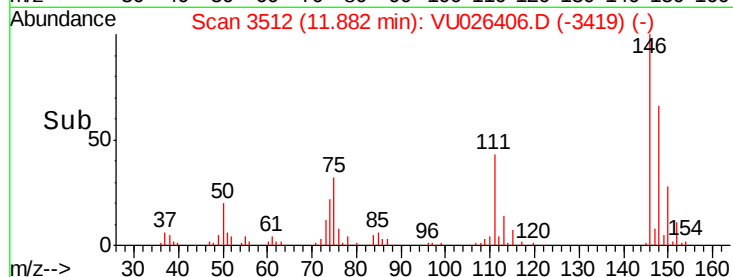
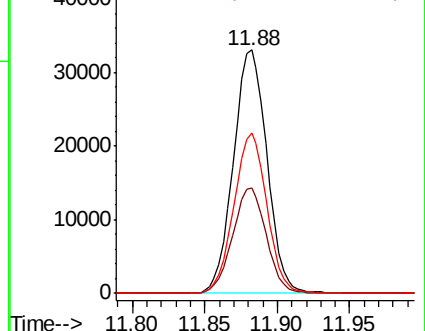
148 65.9 51.9 77.9



Abundance Ion 145.95 (145.65 to 146.65): 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: 5.484 ug/L

RT: 12.66 min Scan# 3754

Delta R.T. 0.00 min

Lab File: VU026406.D

Acq: 28 Aug 2018 18:07

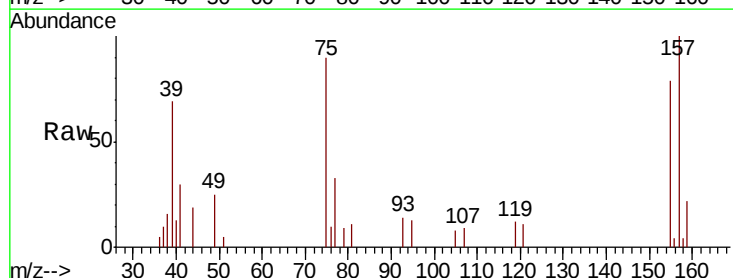
Tgt Ion: 75 Resp: 3659

Ion Ratio Lower Upper

75 100

155 88.4 60.8 91.2

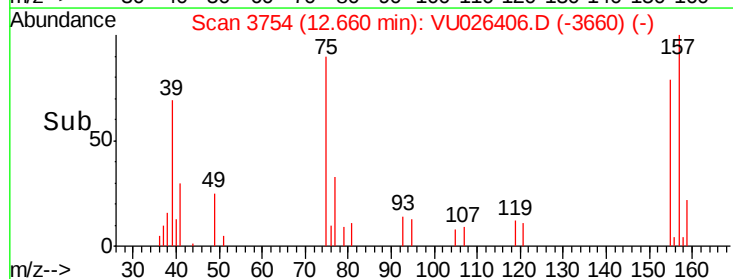
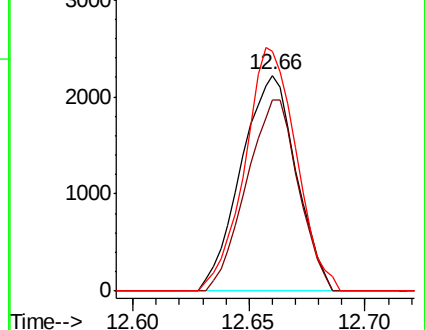
157 111.2 75.9 113.9

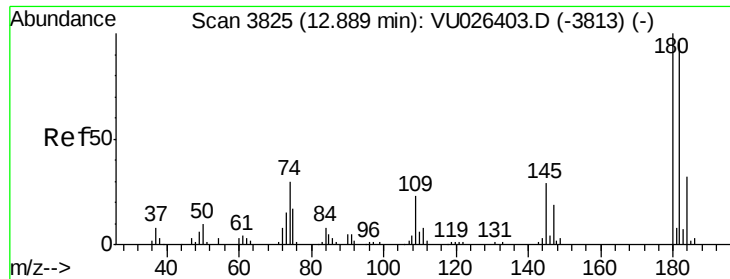


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

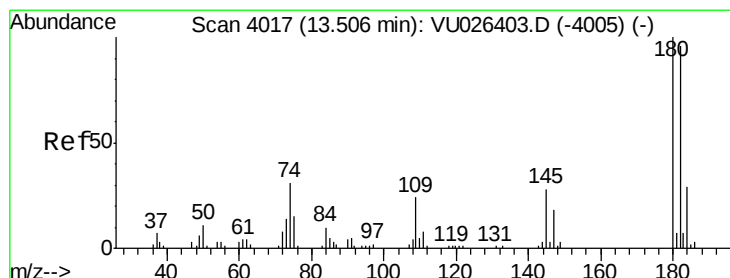
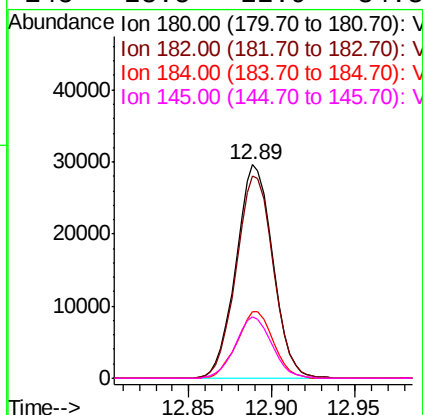
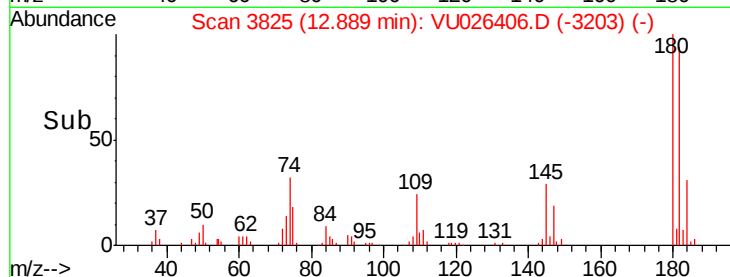
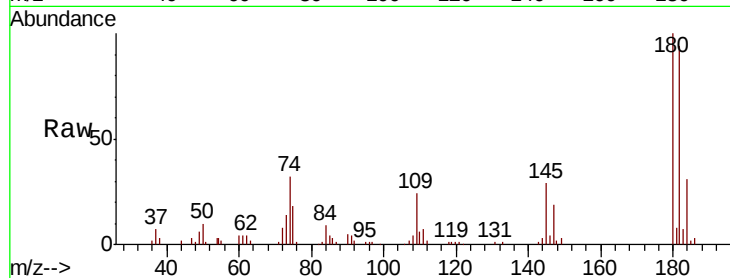




#67
 1,3,5-Trichlorobenzene
 Concen: 5.411 ug/L
 RT: 12.89 min Scan# 3825
 Delta R.T. -0.00 min
 Lab File: VU026406.D
 Acq: 28 Aug 2018 18:07

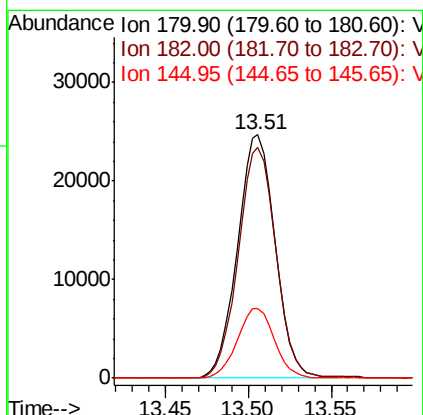
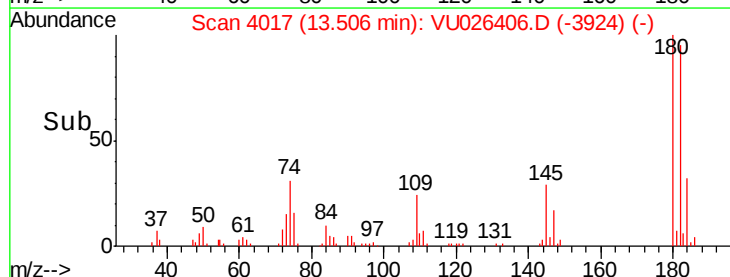
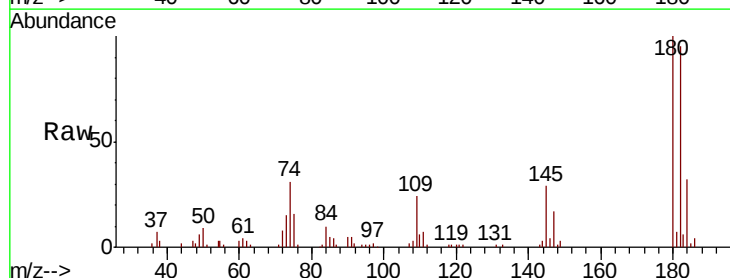
Instrument :
 MSVOA_U
 ClientSampleId :
 VICV47

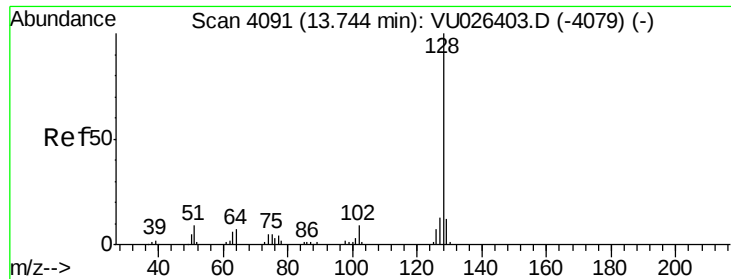
Tgt Ion:180 Resp: 45665
 Ion Ratio Lower Upper
 180 100
 182 95.5 78.0 117.0
 184 31.0 25.0 37.6
 145 28.5 22.9 34.3



#68
 1,2,4-trichlorobenzene
 Concen: 5.744 ug/L
 RT: 13.51 min Scan# 4017
 Delta R.T. -0.00 min
 Lab File: VU026406.D
 Acq: 28 Aug 2018 18:07

Tgt Ion:180 Resp: 38977
 Ion Ratio Lower Upper
 180 100
 182 94.8 76.9 115.3
 145 28.1 23.6 35.4





#69

Naphthalene

Concen: 5.927 ug/L

RT: 13.74 min Scan# 4091

Delta R.T. -0.00 min

Lab File: VU026406.D

Acq: 28 Aug 2018 18:07

Instrument :

MSVOA_U

ClientSampleId :

VICV47

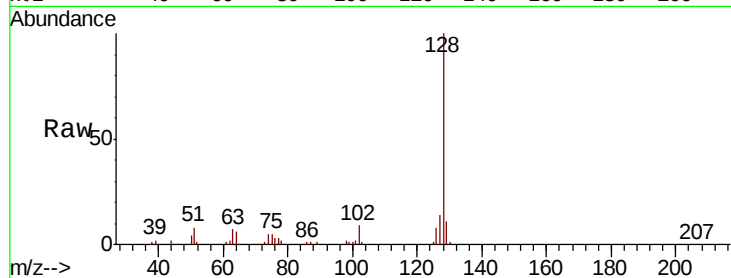
Tgt Ion:128 Resp: 61390

Ion Ratio Lower Upper

128 100

129 11.1 9.0 13.6

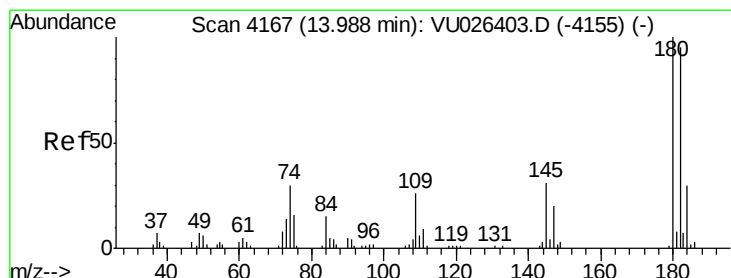
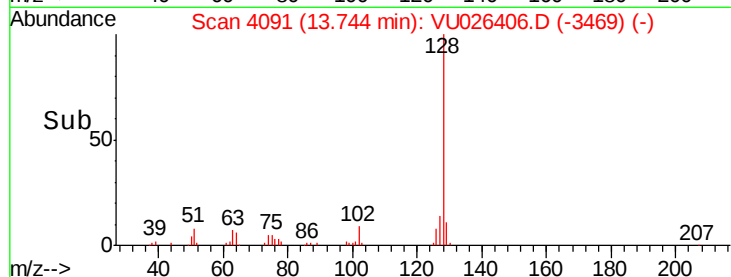
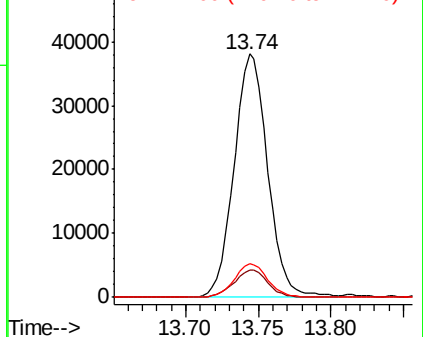
127 13.6 10.6 15.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 5.863 ug/L

RT: 13.99 min Scan# 4167

Delta R.T. -0.00 min

Lab File: VU026406.D

Acq: 28 Aug 2018 18:07

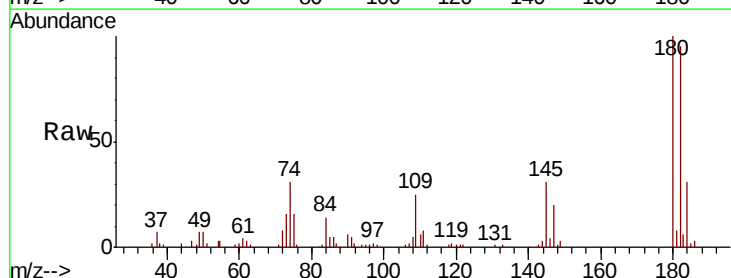
Tgt Ion:180 Resp: 36790

Ion Ratio Lower Upper

180 100

182 96.1 75.4 113.2

145 30.3 23.8 35.8



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

