

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU082918\
 Data File : VU026436.D
 Acq On : 29 Aug 2018 22:55
 Operator : MD/SY
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Aug 30 02:24:55 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM082918WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Aug 30 02:20:47 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	155855	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	149329	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	73306	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	45243	46.85	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	93.70%
7) Chloroethane-d5	1.66	69	42671	48.93	ug/L	-0.02
Spiked Amount	50.000	Range	70 - 130	Recovery	=	97.86%
11) 1,1-Dichloroethene-d2	2.27	63	99040	45.54	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	91.08%
21) 2-Butanone-d5	4.18	46	76996	102.73	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	102.73%
24) Chloroform-d	4.65	84	89194	48.90	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.80%
26) 1,2-Dichloroethane-d4	5.31	65	59769	49.22	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.44%
32) Benzene-d6	5.34	84	174490	50.70	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.40%
36) 1,2-Dichloropropane-d6	6.33	67	59227	50.09	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	100.18%
41) Toluene-d8	7.57	98	170853	51.42	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	102.84%
43) trans-1,3-Dichloropropene-	7.85	79	26510	49.10	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	98.20%
47) 2-Hexanone-d5	8.31	63	61713	113.80	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	113.80%
57) 1,1,2,2-Tetrachloroethane-	10.44	84	92081	52.86	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	105.72%
64) 1,2-Dichlorobenzene-d4	11.86	152	70655	53.12	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	106.24%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.20	85	59104	48.635	ug/L 99
3) Chloromethane	1.33	50	72778	48.501	ug/L 99
5) Vinyl chloride	1.40	62	79778	49.041	ug/L 99
6) Bromomethane	1.60	94	55939	58.003	ug/L 100
8) Chloroethane	1.68	64	48936	50.103	ug/L 99
9) Trichlorofluoromethane	1.88	101	103682	50.122	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	52854	45.792	ug/L 98
12) 1,1-Dichloroethene	2.27	96	50992	45.836	ug/L 96
13) Acetone	2.32	43	60327	92.957	ug/L 100
14) Carbon disulfide	2.47	76	153926	48.893	ug/L 99
15) Methyl Acetate	2.62	43	64300	50.460	ug/L 99
16) Methylene chloride	2.70	84	56845	49.699	ug/L 99
17) trans-1,2-Dichloroethene	2.98	96	49922	49.612	ug/L 95
18) Methyl tert-butyl Ether	3.00	73	156012	51.073	ug/L 100
19) 1,1-Dichloroethane	3.45	63	98991	50.066	ug/L 98
20) cis-1,2-Dichloroethene	4.22	96	56649	50.254	ug/L 100
22) 2-Butanone	4.27	43	90766	104.052	ug/L 100

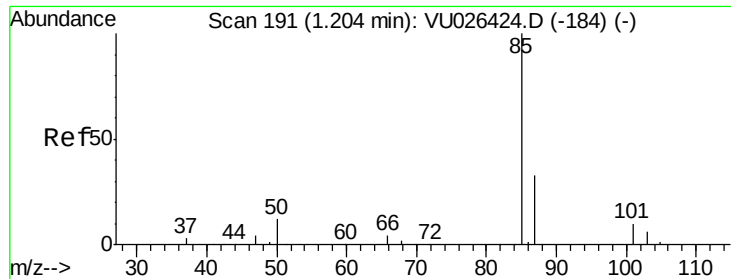
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.55	128	29617	50.997	ug/L	94
25) Chloroform	4.67	83	101316	50.176	ug/L	96
27) 1,2-Dichloroethane	5.41	62	81774	50.213	ug/L	98
29) Cyclohexane	5.00	56	84477	51.921	ug/L	99
30) 1,1,1-Trichloroethane	4.91	97	82796	50.384	ug/L	100
31) Carbon tetrachloride	5.14	117	76615	51.312	ug/L	99
33) Benzene	5.39	78	220638	51.538	ug/L	100
34) Trichloroethene	6.19	95	54895	51.121	ug/L	99
35) Methylcyclohexane	6.42	83	86439	51.551	ug/L	99
37) 1,2-Dichloropropane	6.44	63	61519	51.907	ug/L	100
38) Bromodichloromethane	6.76	83	76268	50.463	ug/L	99
39) cis-1,3-Dichloropropene	7.27	75	84165	49.839	ug/L	100
40) 4-Methyl-2-pentanone	7.46	43	172890	108.168	ug/L	99
42) Toluene	7.64	91	232475	52.042	ug/L	98
44) trans-1,3-Dichloropropene	7.88	75	81748	50.788	ug/L	99
45) 1,1,2-Trichloroethane	8.07	97	56025	51.601	ug/L	99
46) Tetrachloroethene	8.23	164	88684	101.014	ug/L	100
48) 2-Hexanone	8.36	43	143719	114.169	ug/L	99
49) Dibromochloromethane	8.48	129	63347	51.781	ug/L	98
50) 1,2-Dibromoethane	8.59	107	59696	51.633	ug/L	96
51) Chlorobenzene	9.12	112	149902	50.181	ug/L	99
52) Ethylbenzene	9.25	91	250773	51.616	ug/L	100
53) m,p-Xylene	9.38	106	95377	52.575	ug/L	98
54) o-xylene	9.78	106	96753	54.691	ug/L	97
55) Styrene	9.79	104	166379	53.836	ug/L	97
56) Isopropylbenzene	10.17	105	244152	52.723	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.46	83	102363	53.523	ug/L	99
59) 1,2,3-Trichloropropane	10.50	75	78681	53.204	ug/L	98
61) Bromoform	9.96	173	50950	56.313	ug/L	100
62) 1,3-Dichlorobenzene	11.42	146	111571	52.012	ug/L	99
63) 1,4-Dichlorobenzene	11.51	146	115827	51.051	ug/L	100
65) 1,2-Dichlorobenzene	11.88	146	122780	54.266	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.66	75	20943	55.049	ug/L	98
67) 1,3,5-Trichlorobenzene	12.89	180	85498	49.388	ug/L	99
68) 1,2,4-trichlorobenzene	13.50	180	73086	48.337	ug/L	100
69) Naphthalene	13.74	128	260332	55.144	ug/L	99
70) 1,2,3-Trichlorobenzene	13.99	180	83654	50.387	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 48.635 ug/L

RT: 1.20 min Scan# 190

Delta R.T. -0.00 min

Lab File: VU026436.D

Acq: 29 Aug 2018 22:55

Instrument :

MSVOA_U

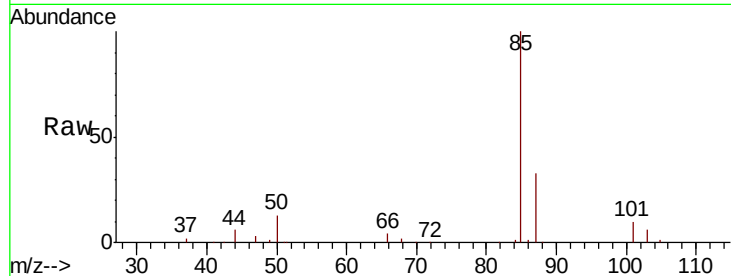
ClientSampleId :

Tot Ion: 85 Resp: 59104

Ion Ratio Lower Upper

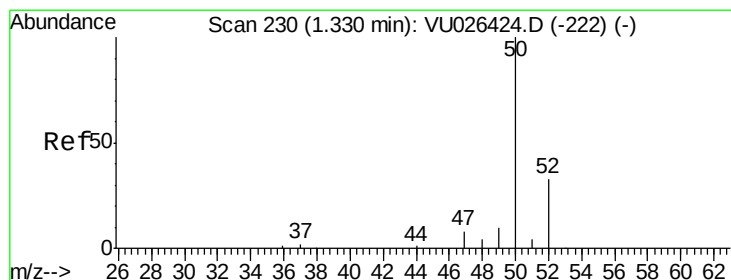
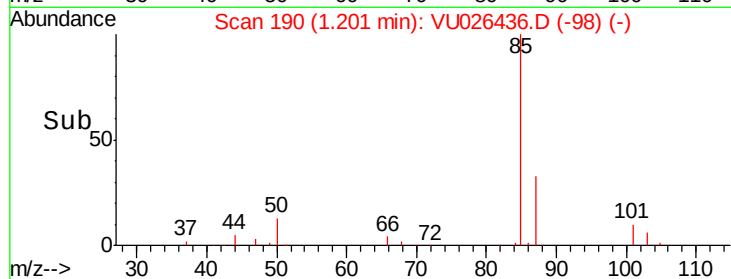
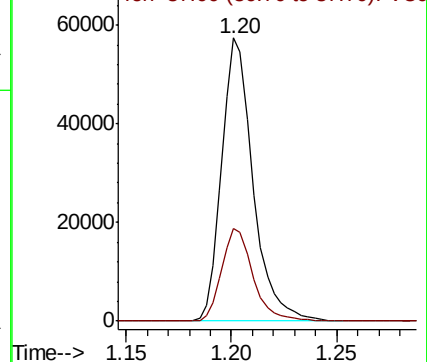
85 100

87 32.7 26.6 39.8



Abundance Ion 85.00 (84.70 to 85.70): VU0

Ion 87.00 (86.70 to 87.70): VU0



#3

Chloromethane

Concen: 48.501 ug/L

RT: 1.33 min Scan# 229

Delta R.T. -0.00 min

Lab File: VU026436.D

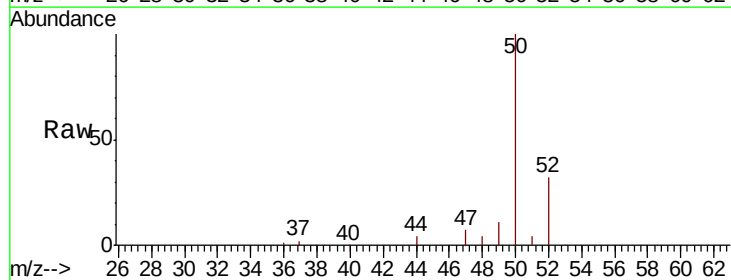
Acq: 29 Aug 2018 22:55

Tgt Ion: 50 Resp: 72778

Ion Ratio Lower Upper

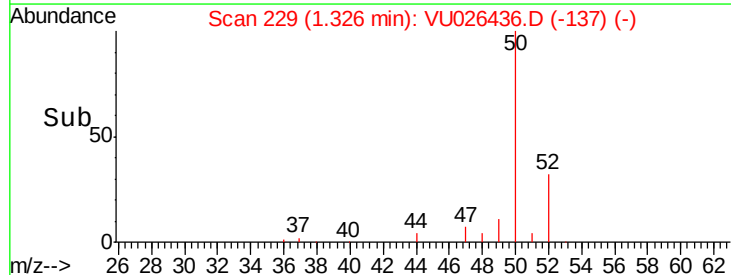
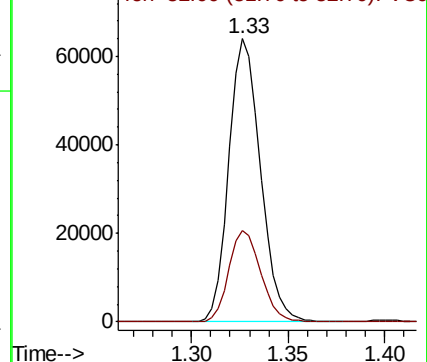
50 100

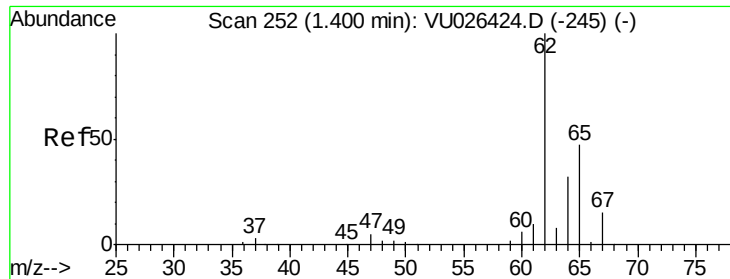
52 32.4 23.0 42.6



Abundance Ion 50.00 (49.70 to 50.70): VU0

Ion 52.00 (51.70 to 52.70): VU0





#5

Vinyl chloride

Concen: 49.041 ug/L

RT: 1.40 min Scan# 252

Delta R.T. 0.00 min

Lab File: VU026436.D

Acq: 29 Aug 2018 22:55

Instrument :

MSVOA_U

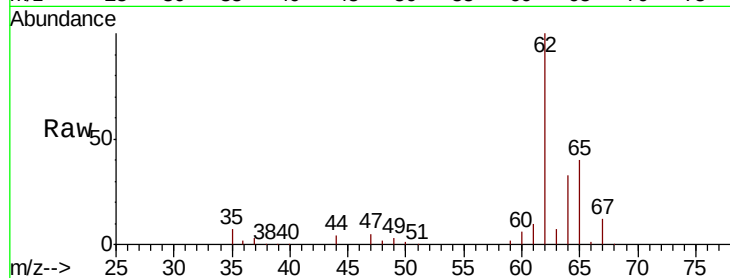
ClientSampleId :

Tot Ion: 62 Resp: 79778

Ion Ratio Lower Upper

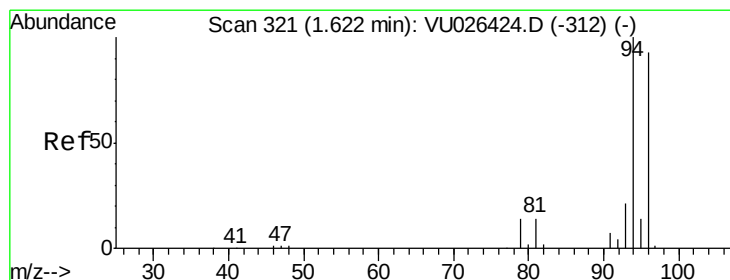
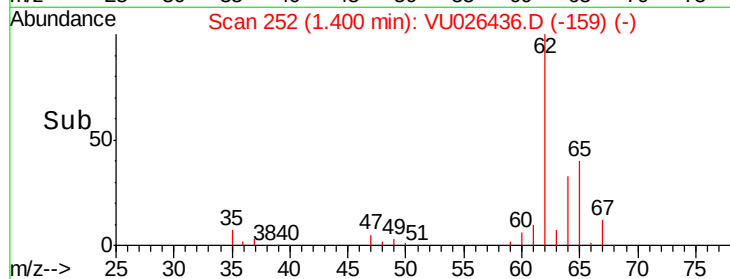
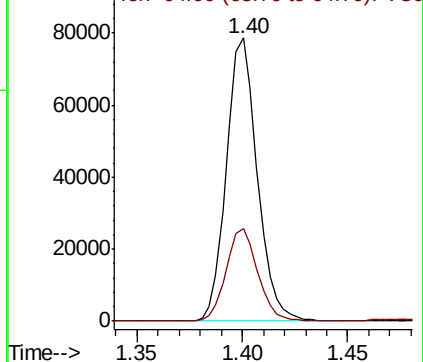
62 100

64 32.6 22.4 41.6



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.00 (63.70 to 64.70): VU0



#6

Bromomethane

Concen: 58.003 ug/L

RT: 1.60 min Scan# 315

Delta R.T. -0.02 min

Lab File: VU026436.D

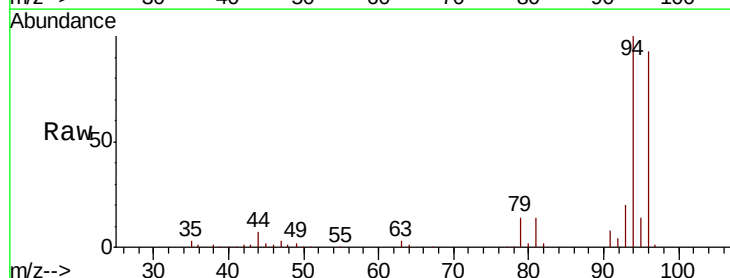
Acq: 29 Aug 2018 22:55

Tgt Ion: 94 Resp: 55939

Ion Ratio Lower Upper

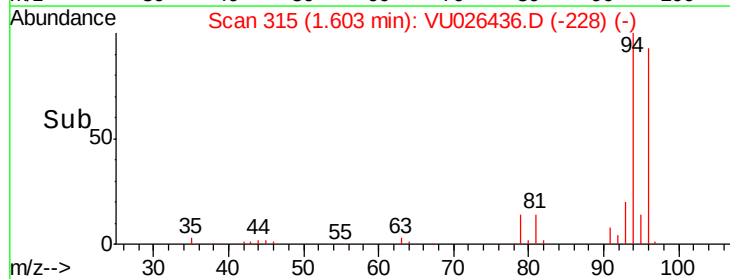
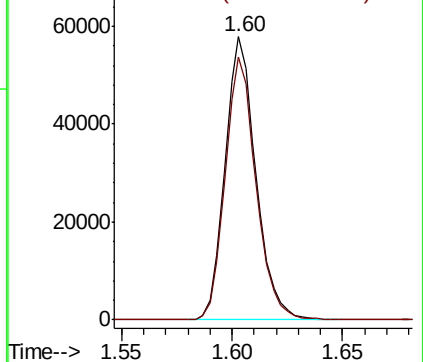
94 100

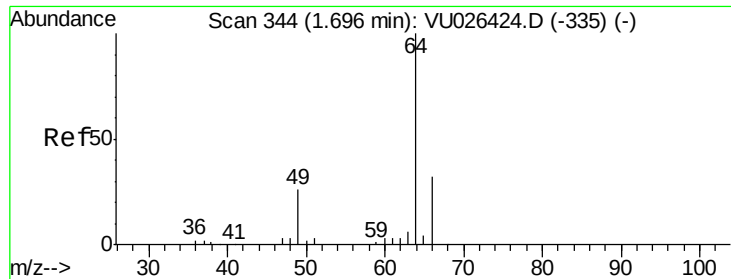
96 93.1 65.3 121.3



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0

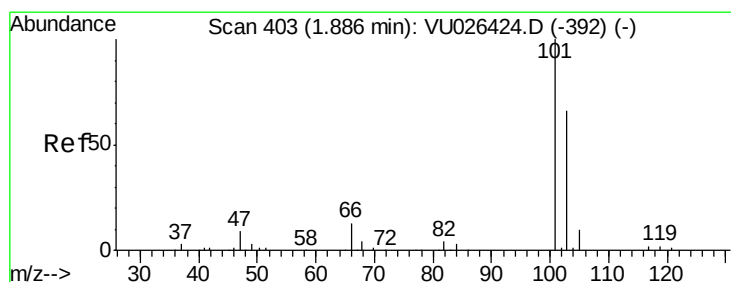
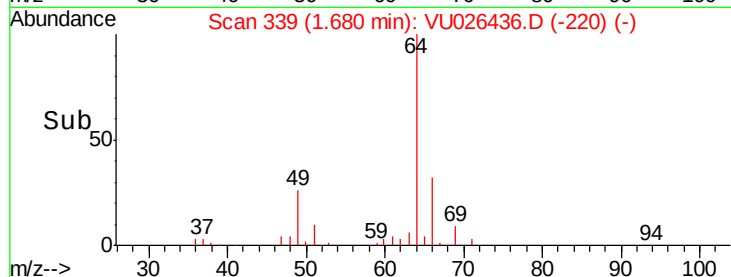
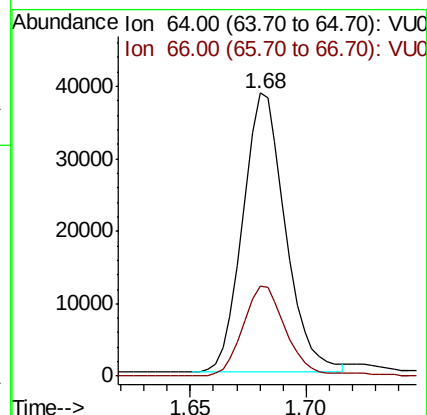
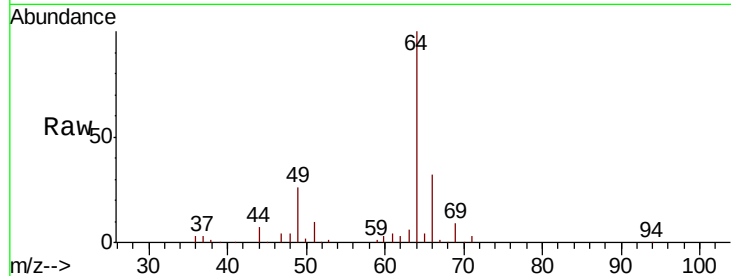




#8
Chloroethane
Concen: 50.103 ug/L
RT: 1.68 min Scan# 339
Delta R.T. -0.02 min
Lab File: VU026436.D
Acq: 29 Aug 2018 22:55

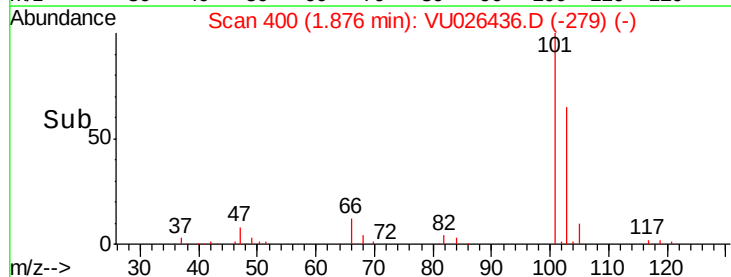
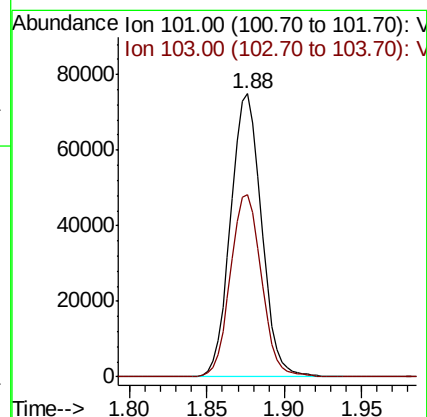
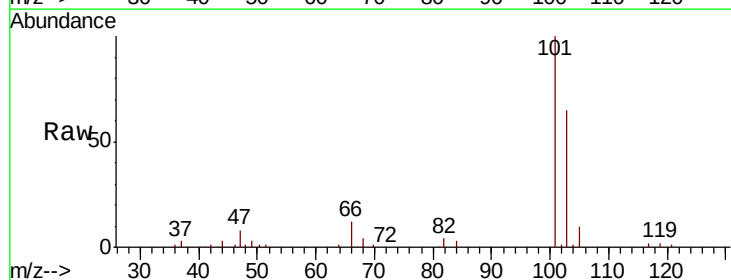
Instrument :
MSVOA_U
ClientSampleId :

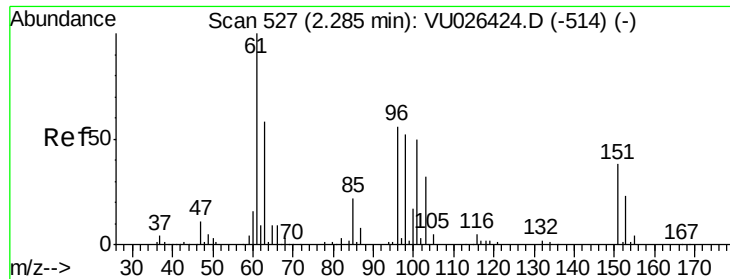
Tot Ion: 64 Resp: 48936
Ion Ratio Lower Upper
64 100
66 32.0 22.2 41.2



#9
Trichlorofluoromethane
Concen: 50.122 ug/L
RT: 1.88 min Scan# 400
Delta R.T. -0.01 min
Lab File: VU026436.D
Acq: 29 Aug 2018 22:55

Tgt Ion: 101 Resp: 103682
Ion Ratio Lower Upper
101 100
103 64.9 52.7 79.1





#10

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

Concen: 45.792 ug/L

RT: 2.28 min Scan# 525

Delta R.T. -0.01 min

Lab File: VU026436.D

Acq: 29 Aug 2018 22:55

Instrument :

MSVOA_U

ClientSampleId :

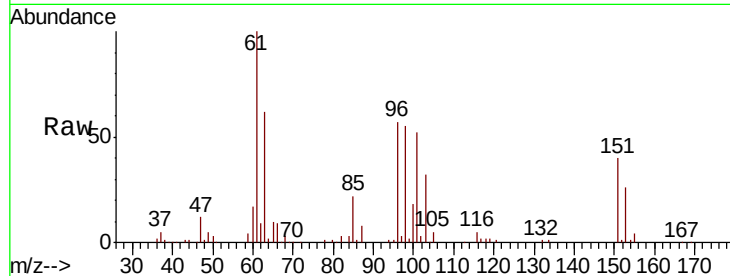
Tot Ion:101 Resp: 52854

Ion Ratio Lower Upper

101 100

85 43.3 35.3 52.9

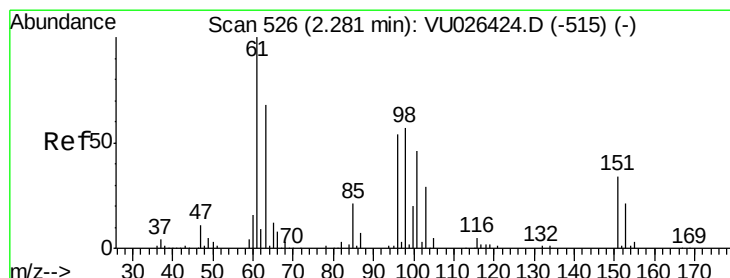
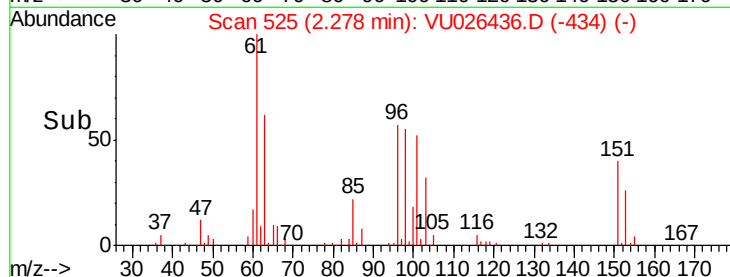
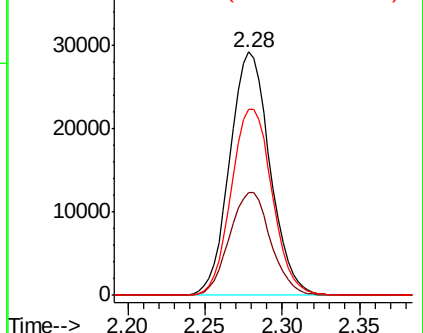
151 77.8 60.7 91.1



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: 45.836 ug/L

RT: 2.27 min Scan# 524

Delta R.T. -0.01 min

Lab File: VU026436.D

Acq: 29 Aug 2018 22:55

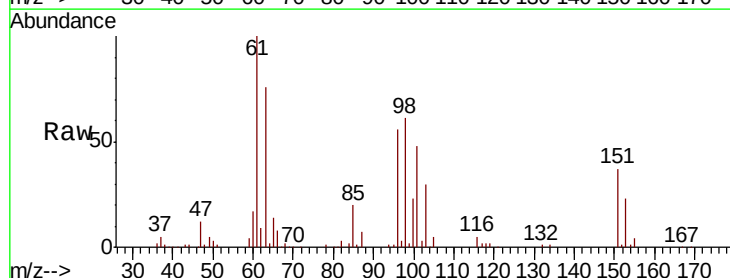
Tgt Ion: 96 Resp: 50992

Ion Ratio Lower Upper

96 100

61 177.8 129.3 240.1

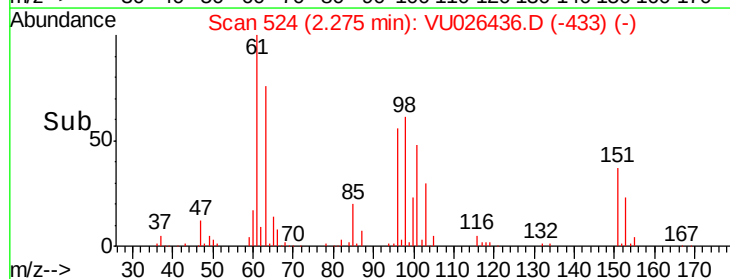
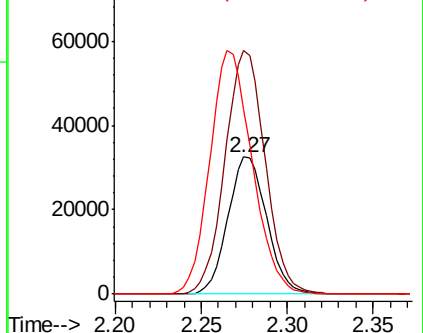
63 134.9 91.7 170.3

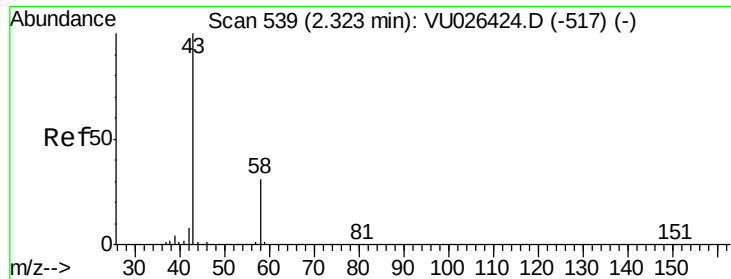


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 92.957 ug/L

RT: 2.32 min Scan# 539

Delta R.T. 0.00 min

Lab File: VU026436.D

Acq: 29 Aug 2018 22:55

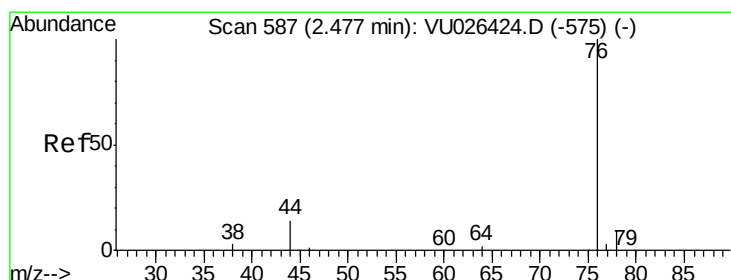
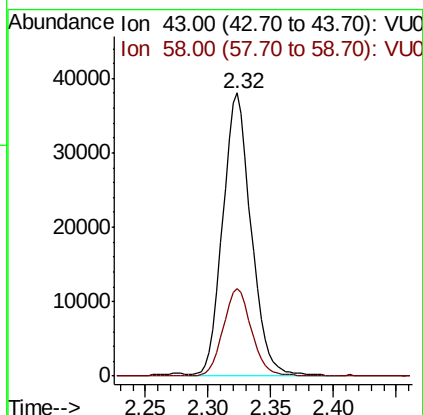
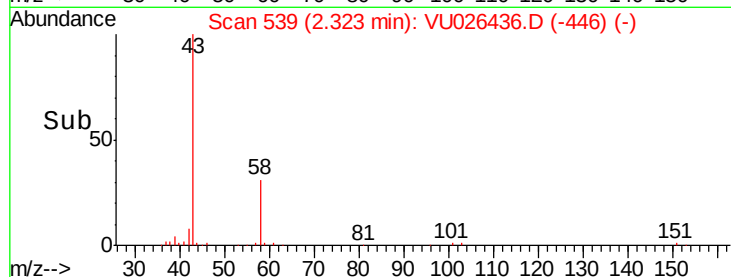
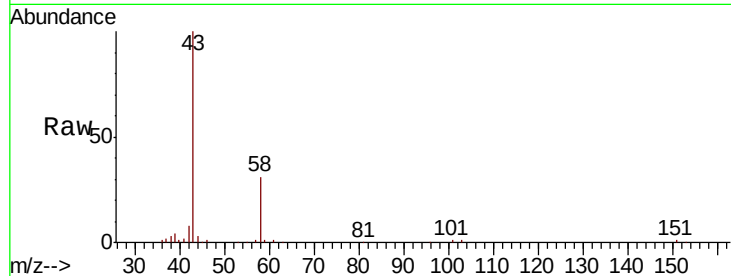
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 60327

Ion Ratio Lower Upper

43 100

58 30.7 0.0 61.2



#14

Carbon disulfide

Concen: 48.893 ug/L

RT: 2.47 min Scan# 585

Delta R.T. -0.01 min

Lab File: VU026436.D

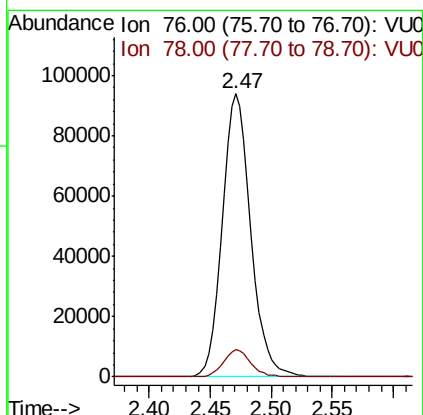
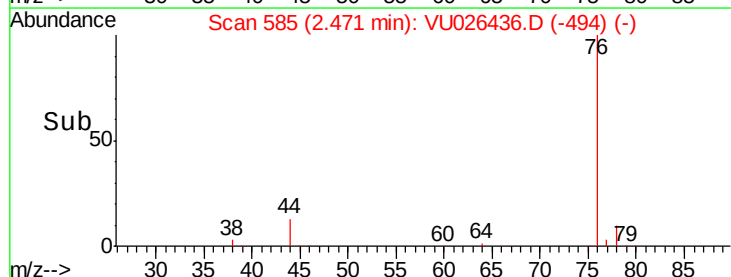
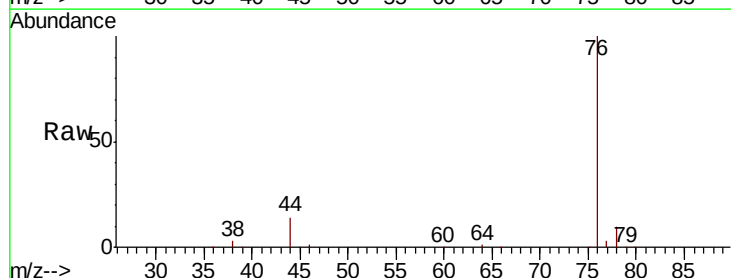
Acq: 29 Aug 2018 22:55

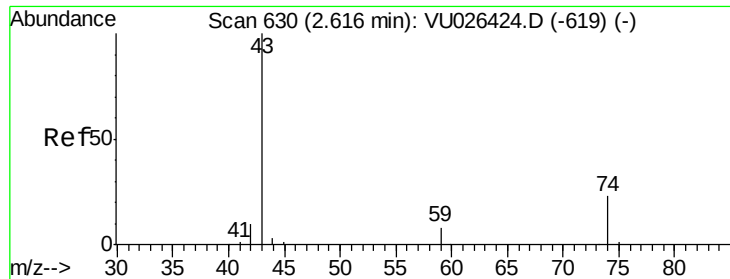
Tgt Ion: 76 Resp: 153926

Ion Ratio Lower Upper

76 100

78 9.6 7.3 10.9

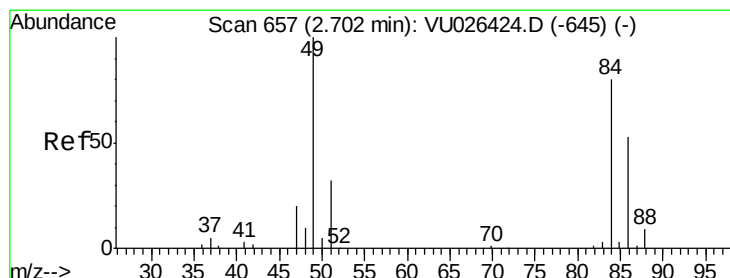
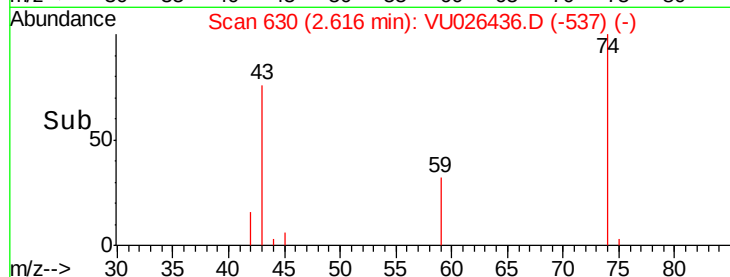
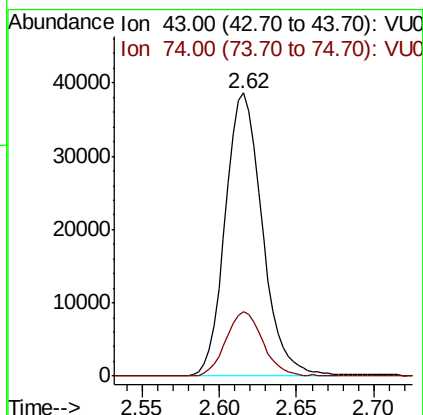
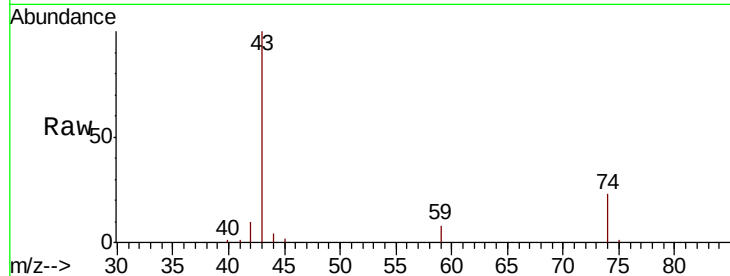




#15
Methvl Acetate
Concen: 50.460 ug/L
RT: 2.62 min Scan# 630
Delta R.T. 0.00 min
Lab File: VU026436.D
Acq: 29 Aug 2018 22:55

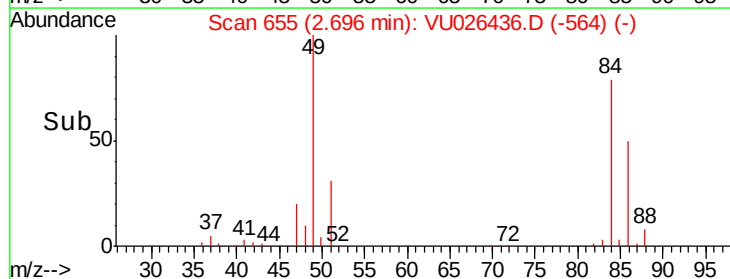
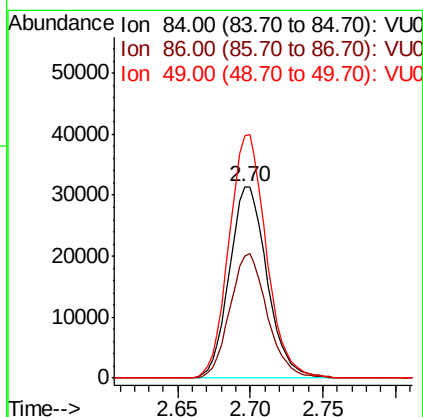
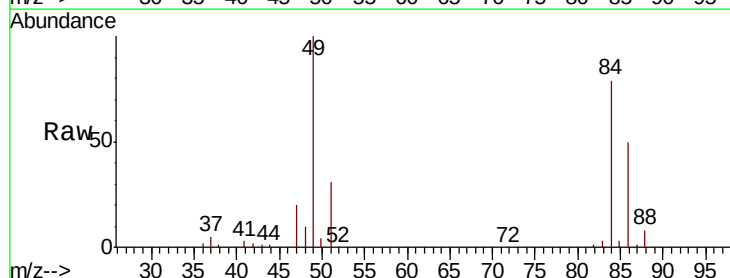
Instrument :
MSVOA_U
ClientSampleId :

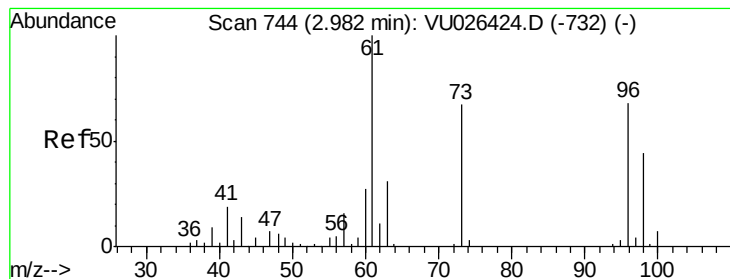
Tot Ion: 43 Resp: 64300
Ion Ratio Lower Upper
43 100
74 22.5 17.8 26.6



#16
Methylene chloride
Concen: 49.699 ug/L
RT: 2.70 min Scan# 655
Delta R.T. -0.01 min
Lab File: VU026436.D
Acq: 29 Aug 2018 22:55

Tgt Ion: 84 Resp: 56845
Ion Ratio Lower Upper
84 100
86 63.9 46.2 85.8
49 126.7 88.2 163.8





#17

trans-1,2-Dichloroethene

Concen: 49.612 ug/L

RT: 2.98 min Scan# 743

Delta R.T. -0.00 min

Lab File: VU026436.D

Acq: 29 Aug 2018 22:55

Instrument :
MSVOA_U
ClientSampled :

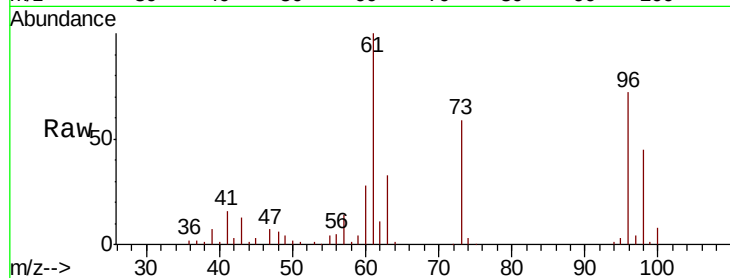
Tot Ion: 96 Resp: 49922

Ion Ratio Lower Upper

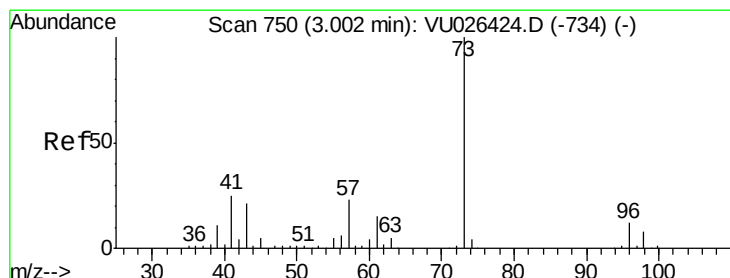
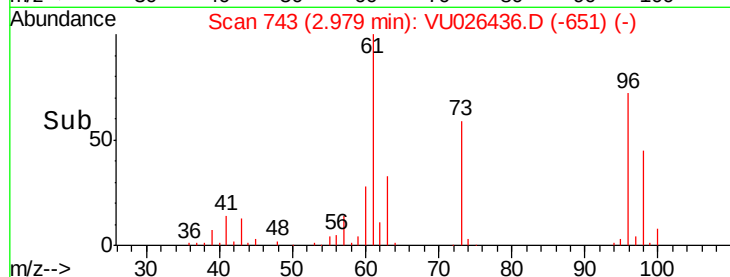
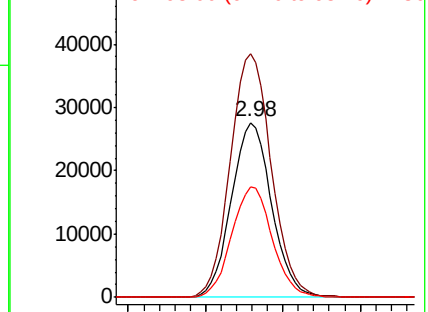
96 100

61 139.1 103.2 191.6

98 62.9 44.9 83.3



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



#18

Methyl tert-butyl Ether

Concen: 51.073 ug/L

RT: 3.00 min Scan# 750

Delta R.T. 0.00 min

Lab File: VU026436.D

Acq: 29 Aug 2018 22:55

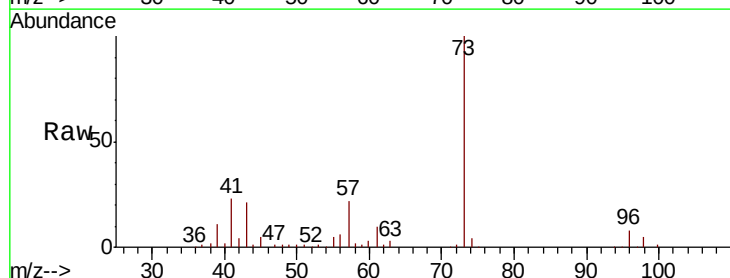
Tgt Ion: 73 Resp: 156012

Ion Ratio Lower Upper

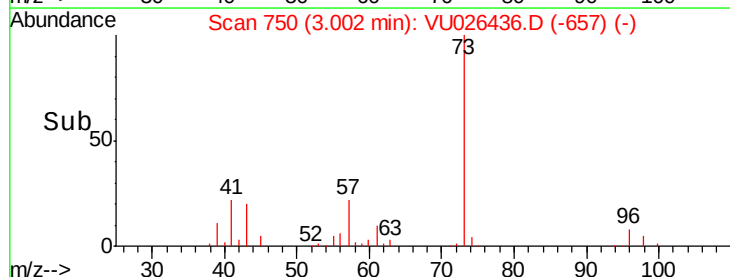
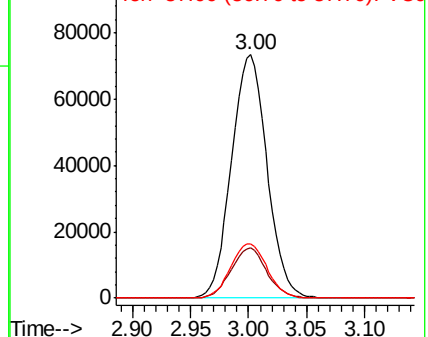
73 100

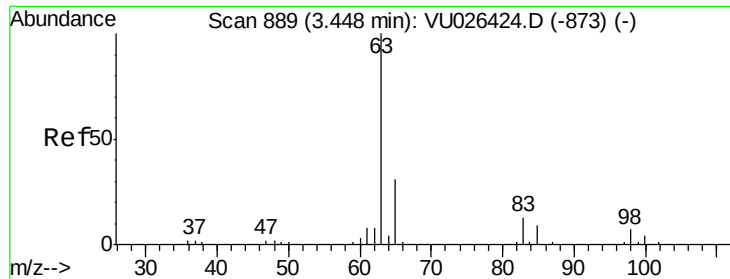
43 20.6 16.6 25.0

57 22.7 18.2 27.2



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: 50.066 ug/L

RT: 3.45 min Scan# 888

Delta R.T. -0.00 min

Lab File: VU026436.D

Acq: 29 Aug 2018 22:55

Instrument :

MSVOA_U

ClientSampled :

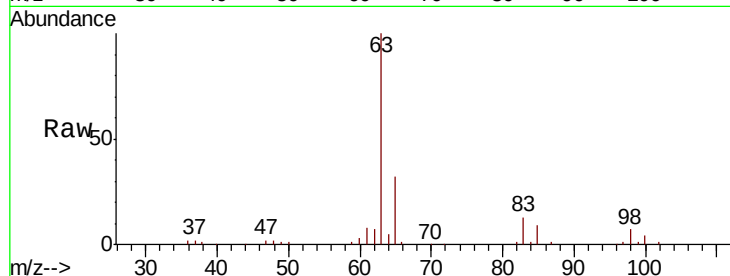
Tot Ion: 63 Resp: 98991

Ion Ratio Lower Upper

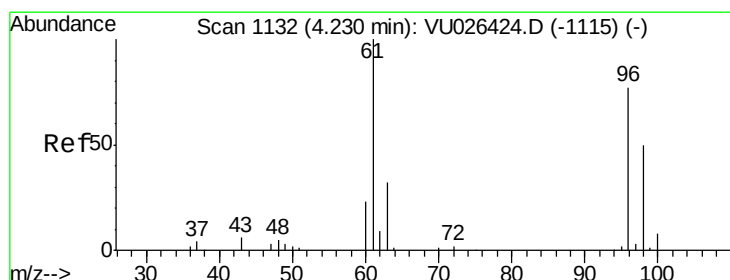
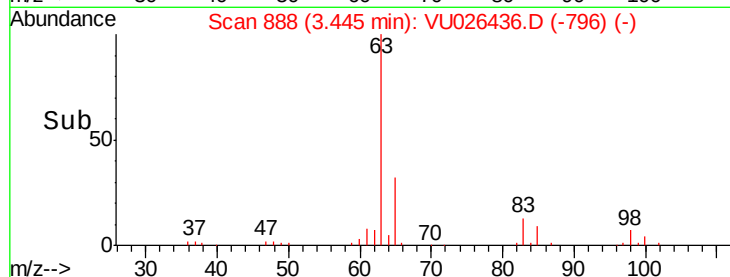
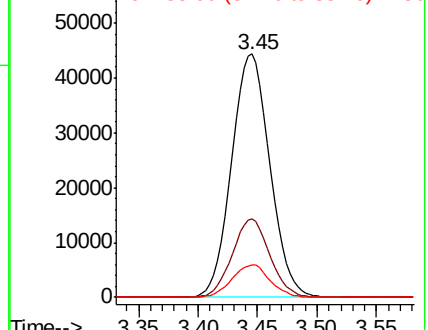
63 100

65 32.3 21.6 40.2

83 13.2 8.8 16.4



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: 50.254 ug/L

RT: 4.22 min Scan# 1130

Delta R.T. -0.01 min

Lab File: VU026436.D

Acq: 29 Aug 2018 22:55

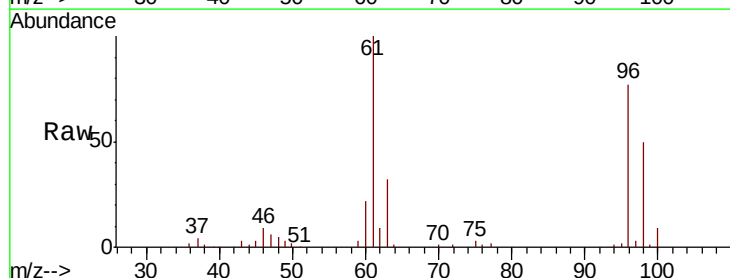
Tgt Ion: 96 Resp: 56649

Ion Ratio Lower Upper

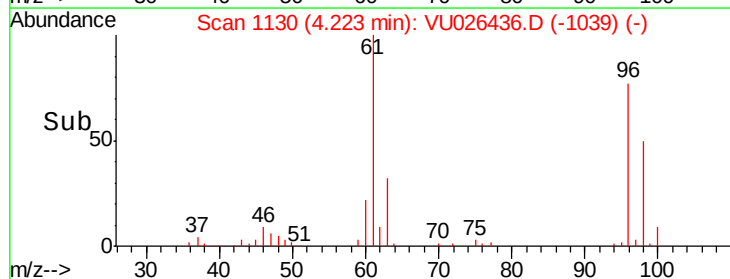
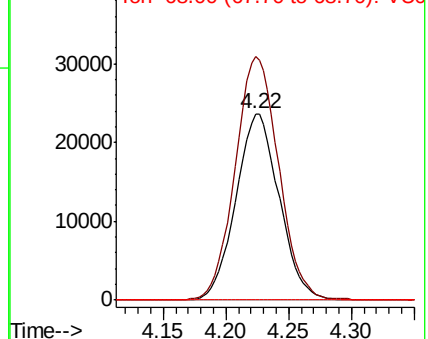
96 100

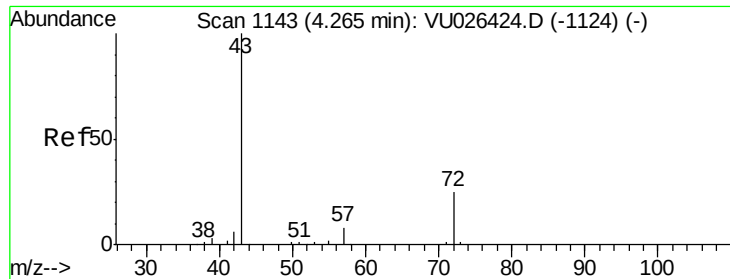
61 130.5 91.6 170.2

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: 104.052 ug/L

RT: 4.27 min Scan# 1143

Delta R.T. 0.00 min

Lab File: VU026436.D

Acq: 29 Aug 2018 22:55

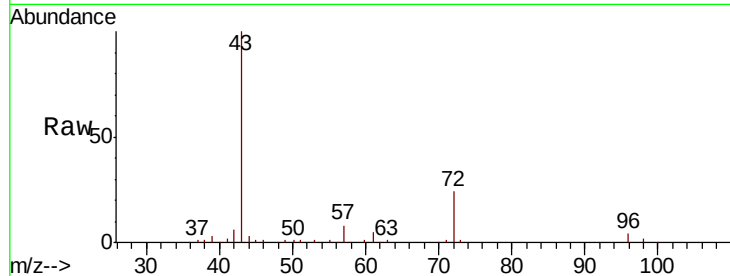
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 90766

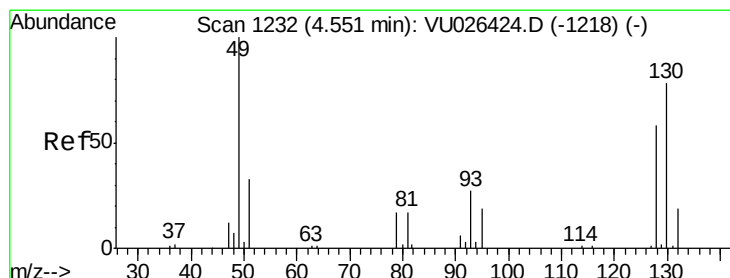
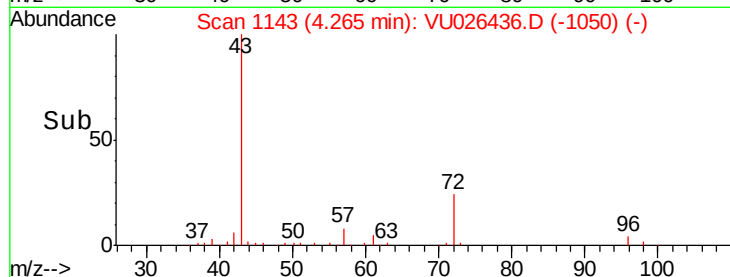
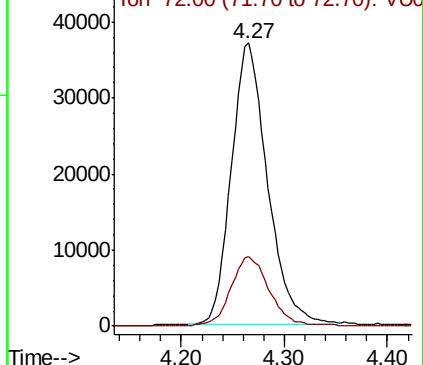
Ion Ratio Lower Upper

43 100

72 26.0 13.0 38.9



Abundance Ion 43.00 (42.70 to 43.70): VU026436.D (-1050) (-)



#23

Bromochloromethane

Concen: 50.997 ug/L

RT: 4.55 min Scan# 1231

Delta R.T. -0.00 min

Lab File: VU026436.D

Acq: 29 Aug 2018 22:55

Tgt Ion:128 Resp: 29617

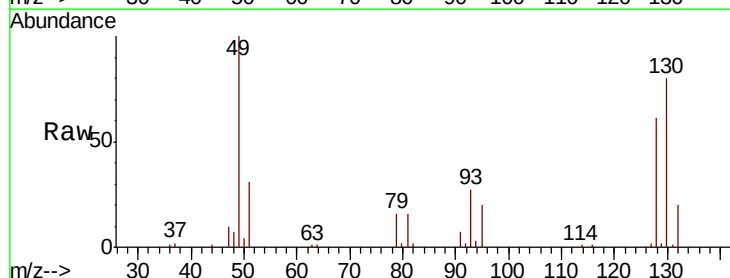
Ion Ratio Lower Upper

128 100

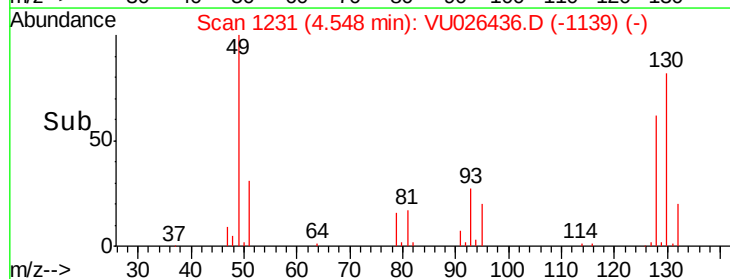
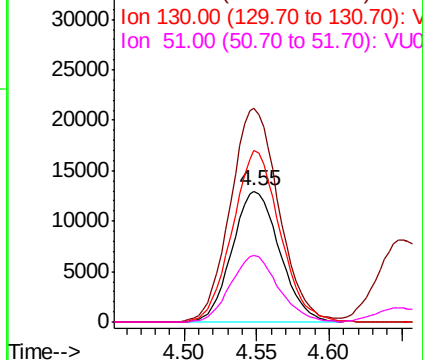
49 163.0 121.2 225.0

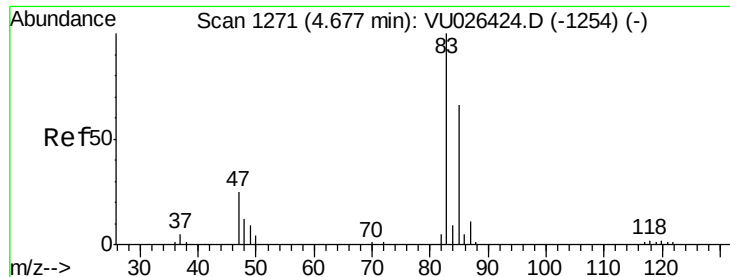
130 130.7 94.1 174.7

51 51.1 45.1 67.7



Abundance Ion 128.00 (127.70 to 128.70): VU026436.D (-1139) (-)

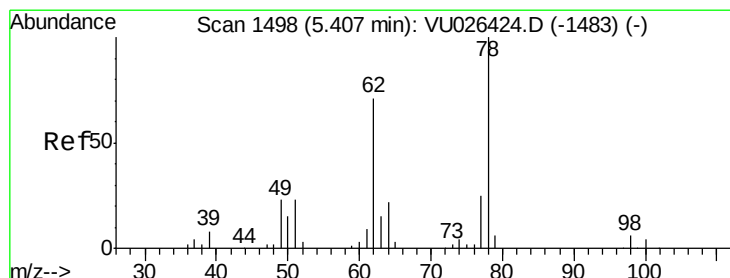
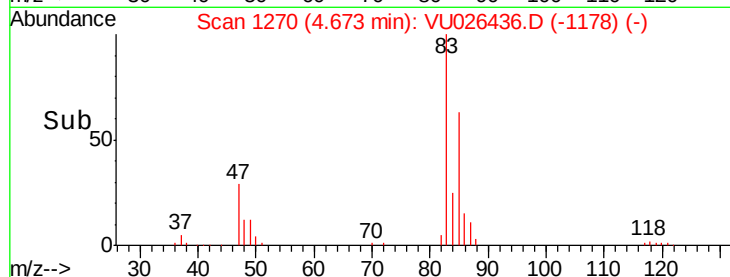
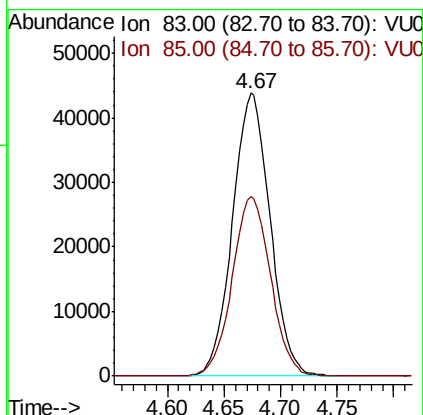
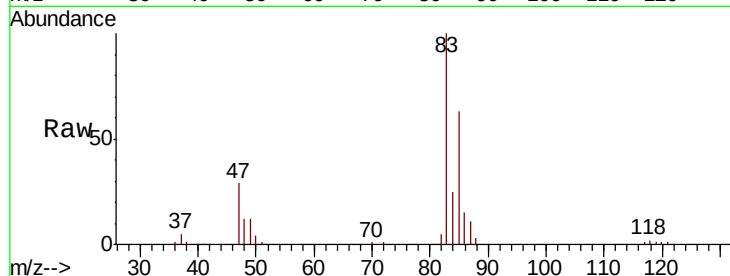




#25
Chloroform
Concen: 50.176 ug/L
RT: 4.67 min Scan# 1270
Delta R.T. -0.00 min
Lab File: VU026436.D
Acq: 29 Aug 2018 22:55

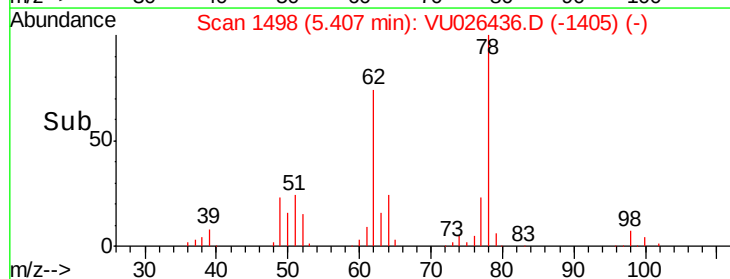
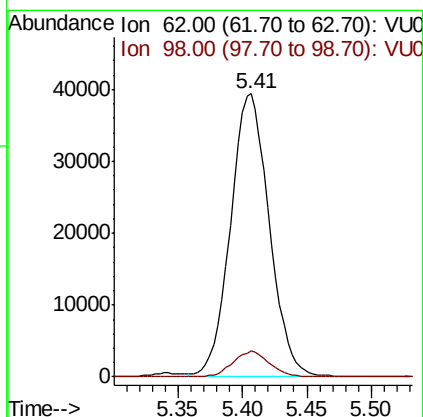
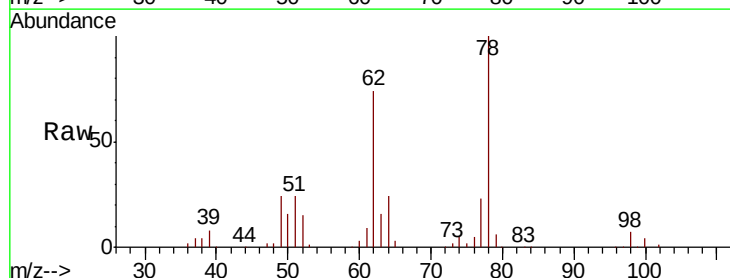
Instrument :
MSVOA_U
ClientSampleId :

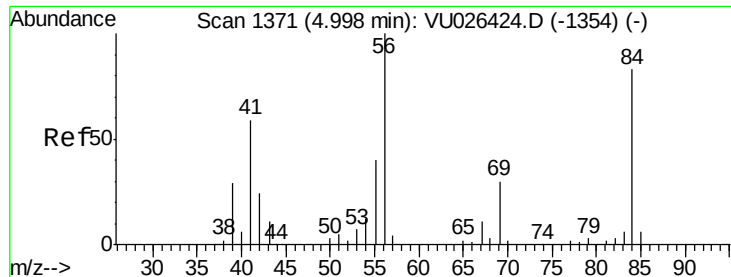
Tot Ion: 83 Resp: 101316
Ion Ratio Lower Upper
83 100
85 63.5 46.5 86.5



#27
1,2-Dichloroethane
Concen: 50.213 ug/L
RT: 5.41 min Scan# 1498
Delta R.T. 0.00 min
Lab File: VU026436.D
Acq: 29 Aug 2018 22:55

Tgt Ion: 62 Resp: 81774
Ion Ratio Lower Upper
62 100
98 9.1 6.8 10.2

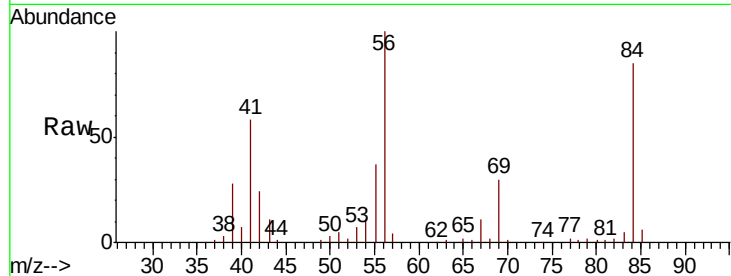




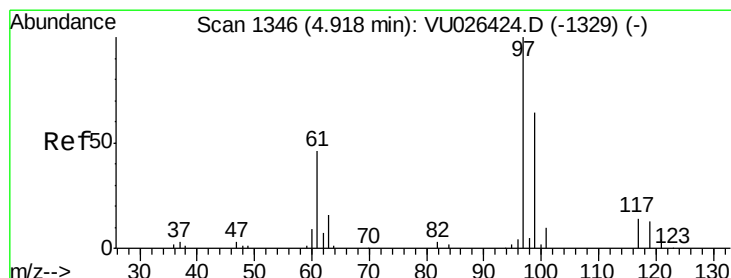
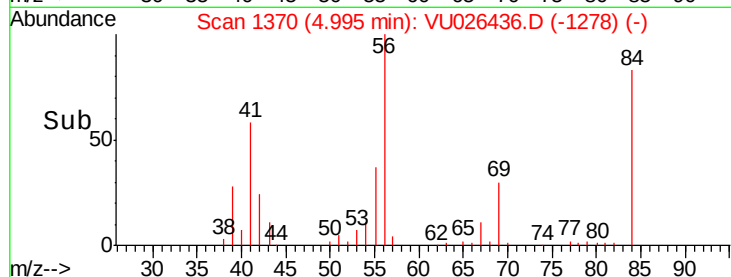
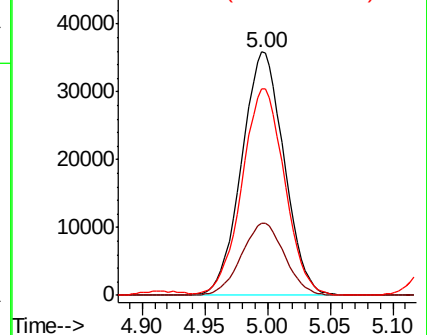
#29
Cyclohexane
Concen: 51.921 ug/L
RT: 5.00 min Scan# 1370
Delta R.T. -0.00 min
Lab File: VU026436.D
Acq: 29 Aug 2018 22:55

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 56 Resp: 84477
Ion Ratio Lower Upper
56 100
69 30.2 24.0 36.0
84 85.3 67.2 100.8

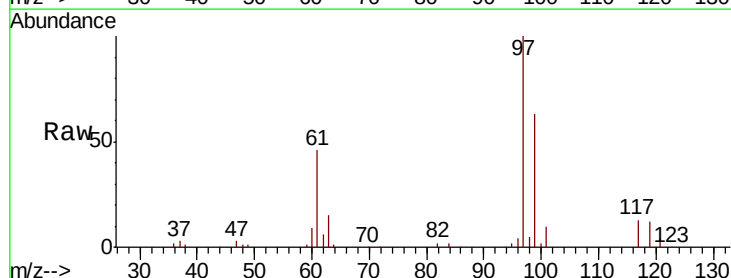


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

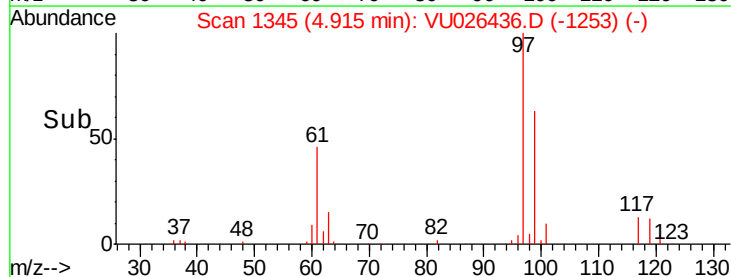
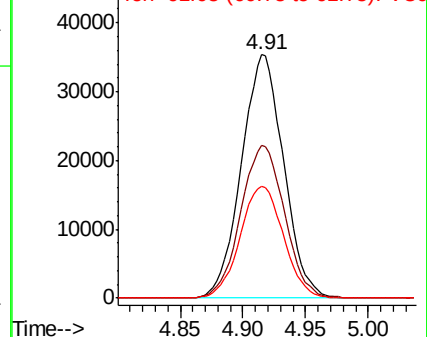


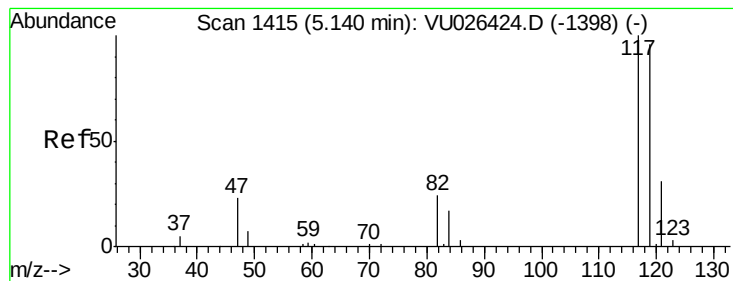
#30
1,1,1-Trichloroethane
Concen: 50.384 ug/L
RT: 4.91 min Scan# 1345
Delta R.T. -0.00 min
Lab File: VU026436.D
Acq: 29 Aug 2018 22:55

Tgt Ion: 97 Resp: 82796
Ion Ratio Lower Upper
97 100
99 64.9 51.6 77.4
61 47.2 37.9 56.9



Abundance Ion 97.00 (96.70 to 97.70): VU0
Ion 99.00 (98.70 to 99.70): VU0
Ion 61.05 (60.75 to 61.75): VU0





#31

Carbon tetrachloride

Concen: 51.312 ug/L

RT: 5.14 min Scan# 1414

Delta R.T. -0.00 min

Lab File: VU026436.D

Acq: 29 Aug 2018 22:55

Instrument :

MSVOA_U

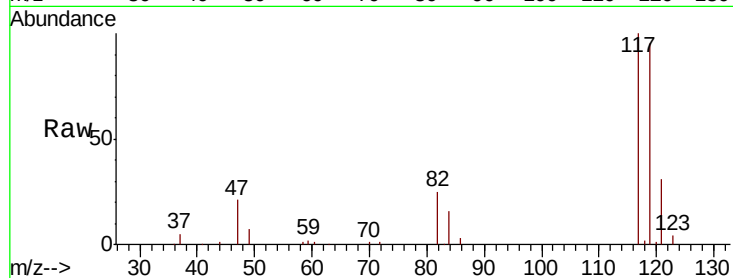
ClientSampleId :

Tot Ion:117 Resp: 76615

Ion Ratio Lower Upper

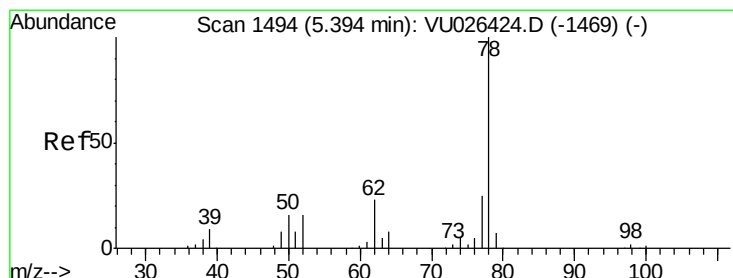
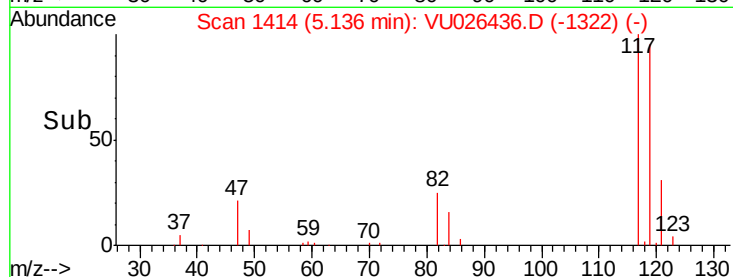
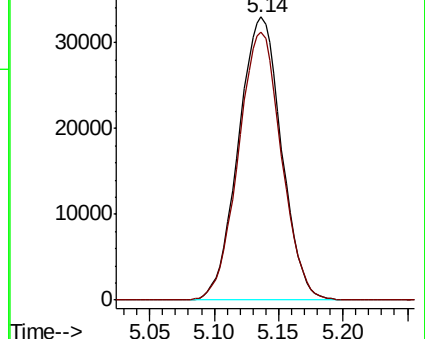
117 100

119 94.7 76.4 114.6



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 51.538 ug/L

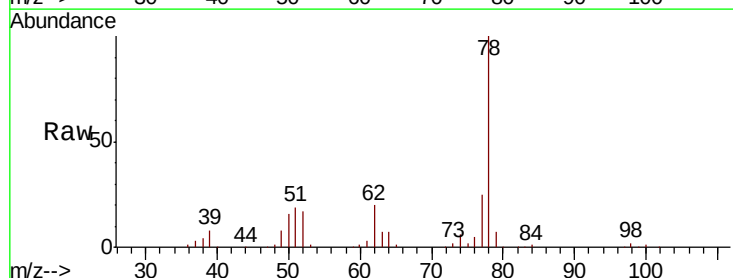
RT: 5.39 min Scan# 1493

Delta R.T. -0.00 min

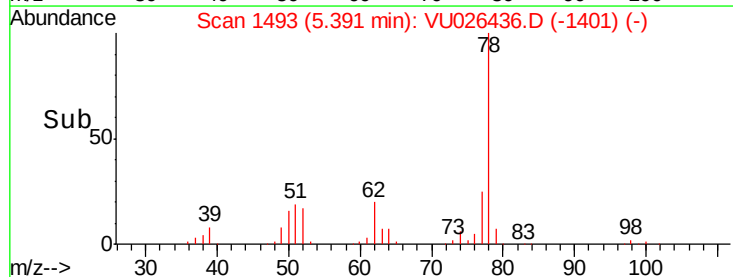
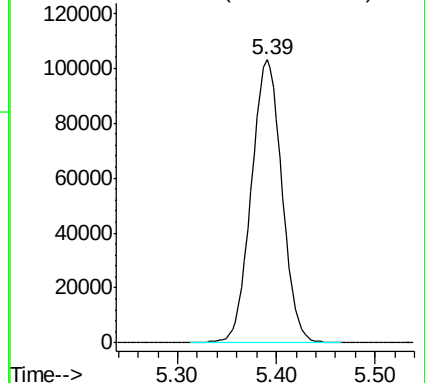
Lab File: VU026436.D

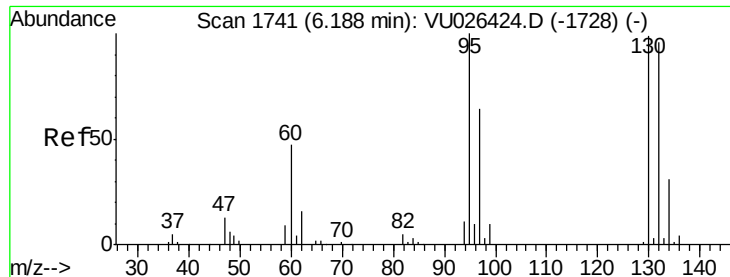
Acq: 29 Aug 2018 22:55

Tgt Ion: 78 Resp: 220638



Abundance Ion 78.00 (77.70 to 78.70): VU0

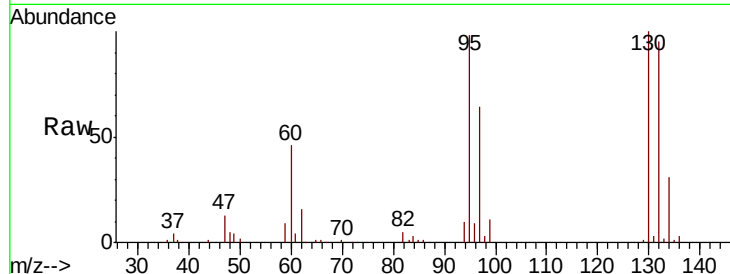




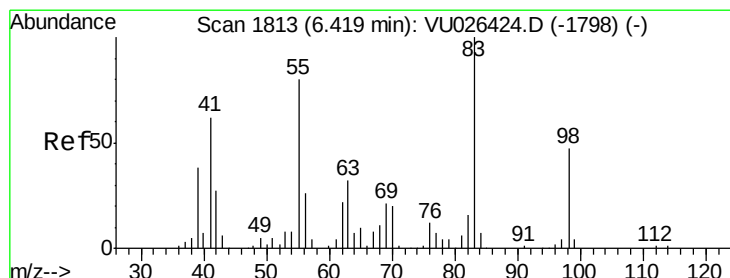
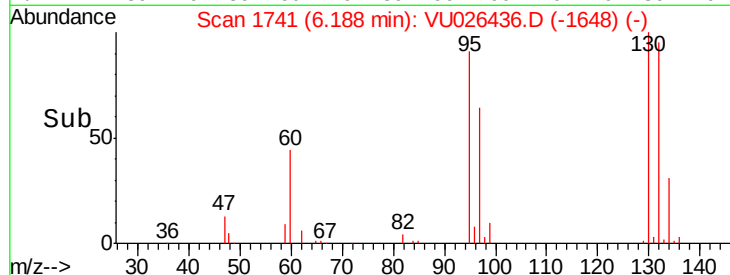
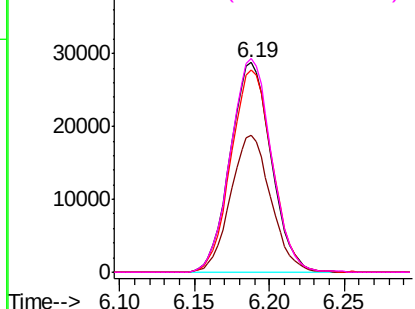
#34
 Trichloroethene
 Concen: 51.121 ug/L
 RT: 6.19 min Scan# 1741
 Delta R.T. 0.00 min
 Lab File: VU026436.D
 Acq: 29 Aug 2018 22:55

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 95 Resp: 54895
 Ion Ratio Lower Upper
 95 100
 97 65.4 45.1 83.7
 132 96.6 67.5 125.3
 130 101.8 69.3 128.7

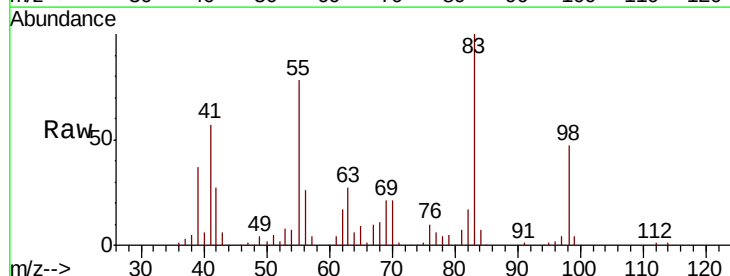


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 97.00 (96.70 to 97.70): VU0
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

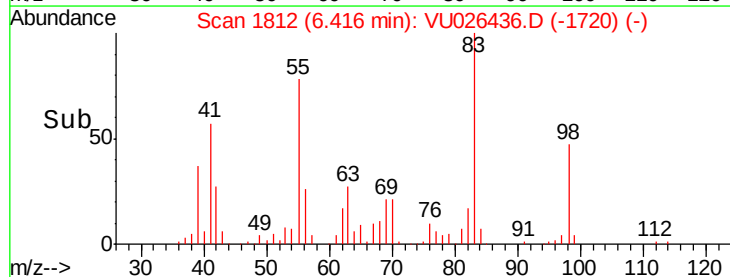
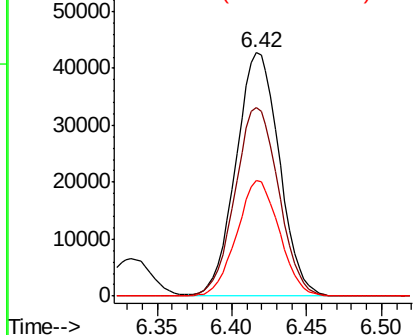


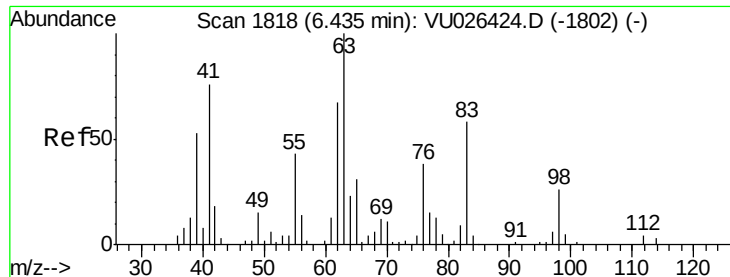
#35
 Methylcyclohexane
 Concen: 51.551 ug/L
 RT: 6.42 min Scan# 1812
 Delta R.T. -0.00 min
 Lab File: VU026436.D
 Acq: 29 Aug 2018 22:55

Tgt Ion: 83 Resp: 86439
 Ion Ratio Lower Upper
 83 100
 55 77.9 63.3 94.9
 98 46.5 36.7 55.1



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

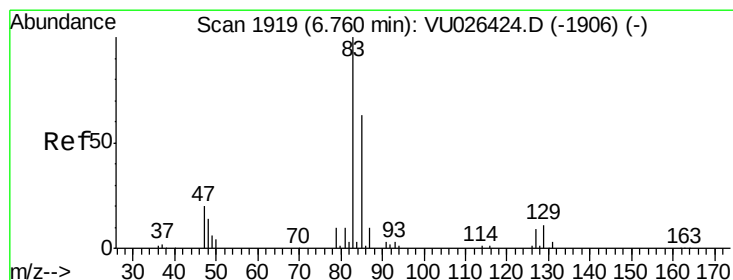
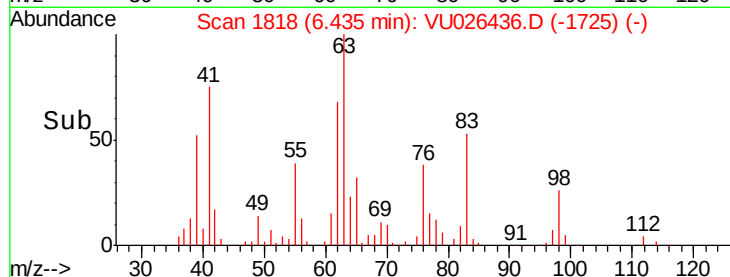
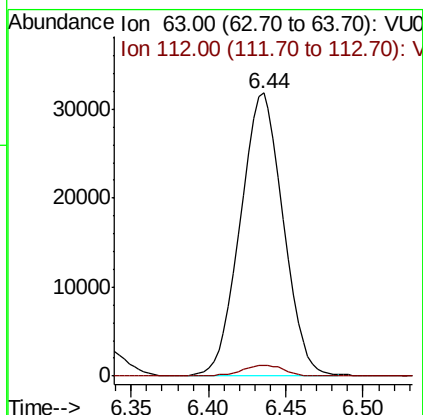
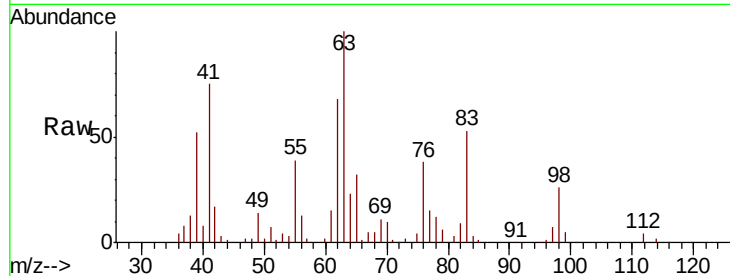




#37
 1,2-Dichloropropane
 Concen: 51.907 ug/L
 RT: 6.44 min Scan# 1818
 Delta R.T. 0.00 min
 Lab File: VU026436.D
 Acq: 29 Aug 2018 22:55

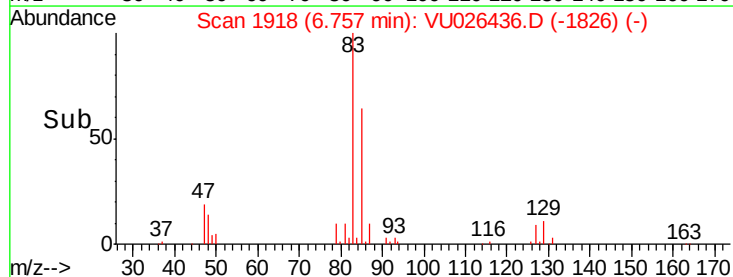
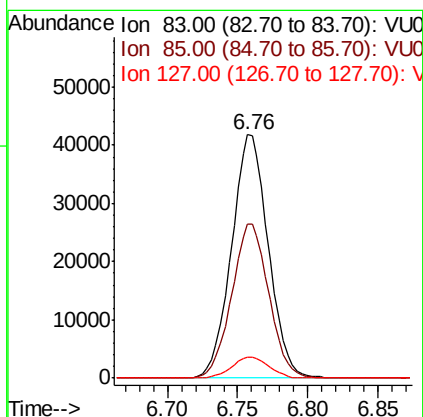
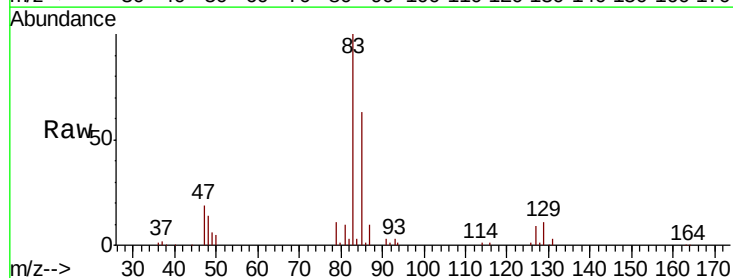
Instrument :
 MSVOA_U
 ClientSampled :

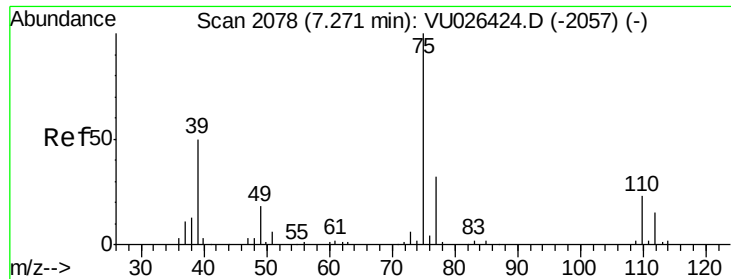
Tot Ion: 63 Resp: 61519
 Ion Ratio Lower Upper
 63 100
 112 3.7 3.0 4.6



#38
 Bromodichloromethane
 Concen: 50.463 ug/L
 RT: 6.76 min Scan# 1918
 Delta R.T. -0.00 min
 Lab File: VU026436.D
 Acq: 29 Aug 2018 22:55

Tgt Ion: 83 Resp: 76268
 Ion Ratio Lower Upper
 83 100
 85 63.3 43.9 81.5
 127 8.8 7.0 10.6



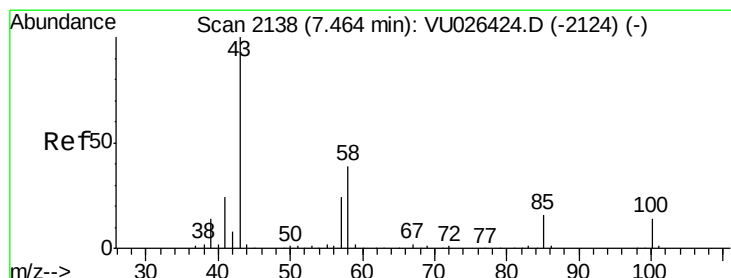
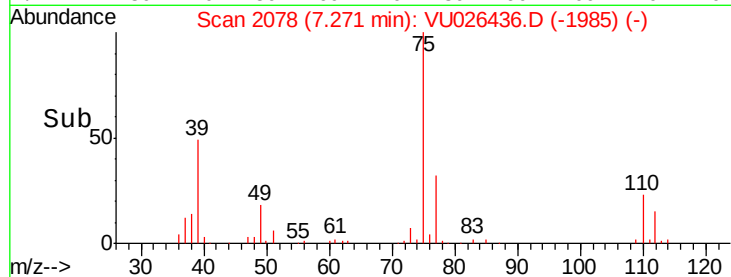
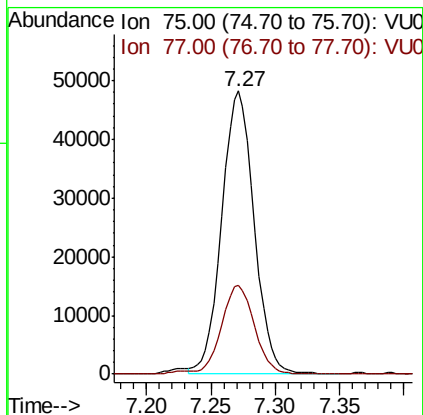
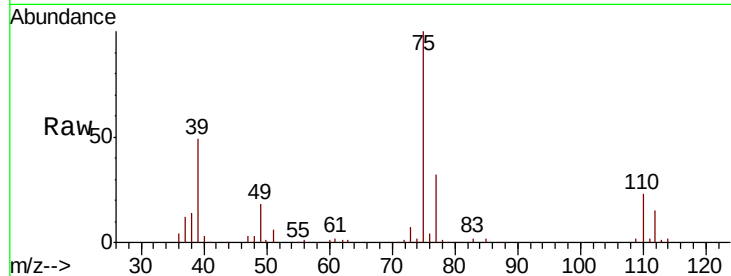


#39

cis-1,3-Dichloropropene
 Concen: 49.839 ug/L
 RT: 7.27 min Scan# 2078
 Delta R.T. 0.00 min
 Lab File: VU026436.D
 Acq: 29 Aug 2018 22:55

Instrument :
 MSVOA_U
 ClientSampleId :

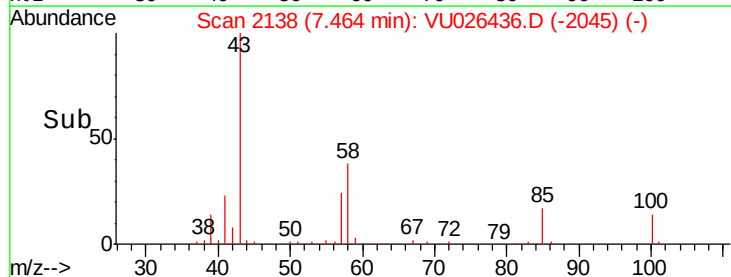
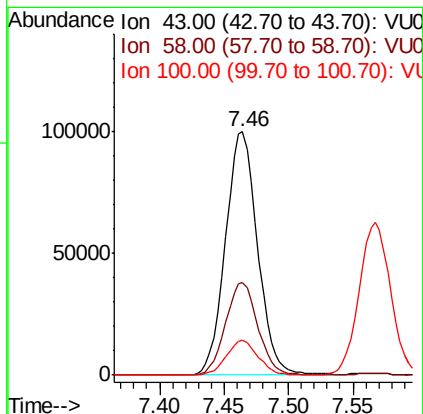
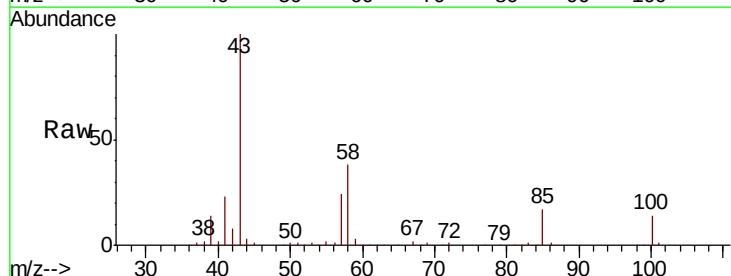
Tot Ion: 75 Resp: 84165
 Ion Ratio Lower Upper
 75 100
 77 31.5 22.2 41.2

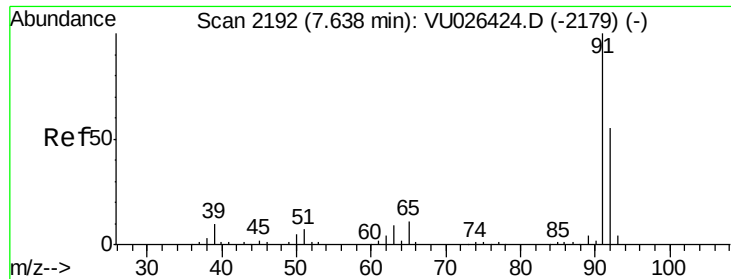


#40

4-Methyl-2-pentanone
 Concen: 108.168 ug/L
 RT: 7.46 min Scan# 2138
 Delta R.T. 0.00 min
 Lab File: VU026436.D
 Acq: 29 Aug 2018 22:55

Tgt Ion: 43 Resp: 172890
 Ion Ratio Lower Upper
 43 100
 58 38.3 30.4 45.6
 100 14.1 11.0 16.4





#42

Toluene

Concen: 52.042 ug/L

RT: 7.64 min Scan# 2192

Delta R.T. 0.00 min

Lab File: VU026436.D

Acq: 29 Aug 2018 22:55

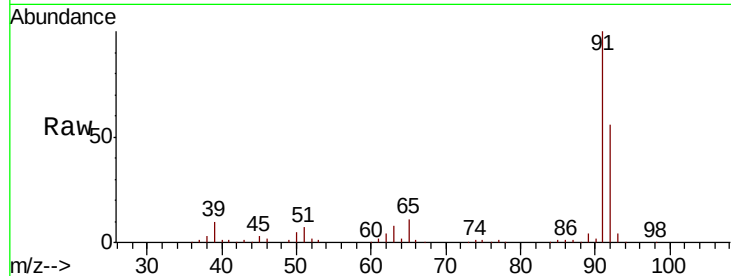
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 91 Resp: 232475

Ion Ratio Lower Upper

91 100

92 56.4 38.7 71.9



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 92.00 (91.70 to 92.70): VU0

7.64

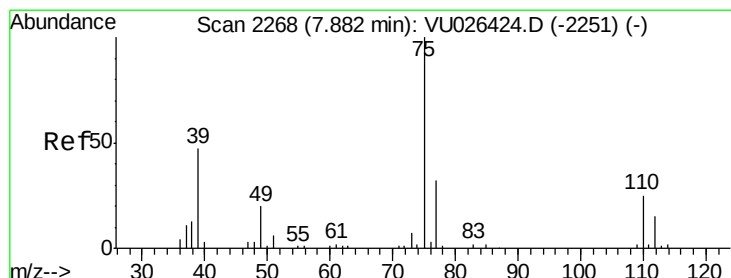
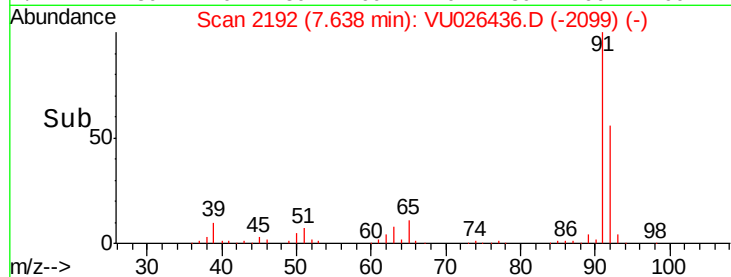
150000

100000

50000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 50.788 ug/L

RT: 7.88 min Scan# 2268

Delta R.T. 0.00 min

Lab File: VU026436.D

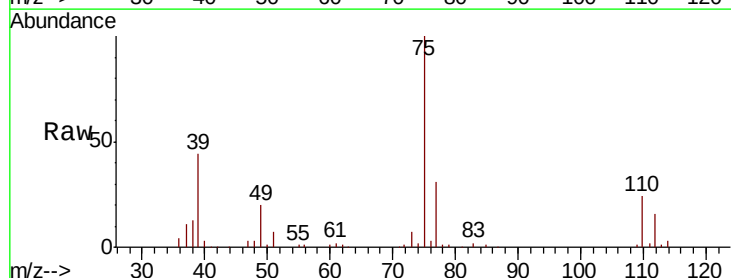
Acq: 29 Aug 2018 22:55

Tgt Ion: 75 Resp: 81748

Ion Ratio Lower Upper

75 100

77 30.8 22.1 41.1



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

7.88

50000

40000

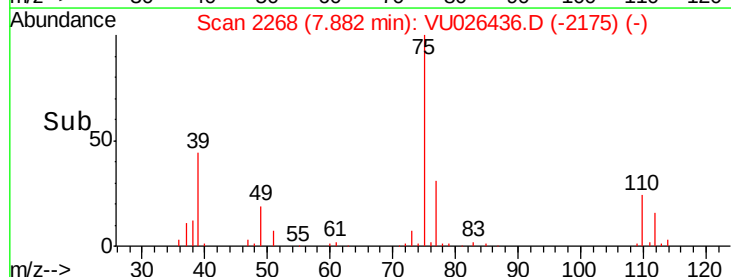
30000

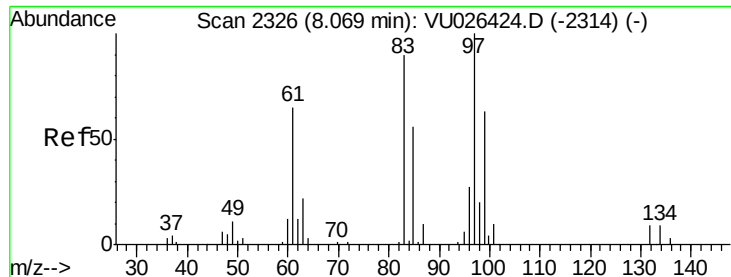
20000

10000

0

Time-->

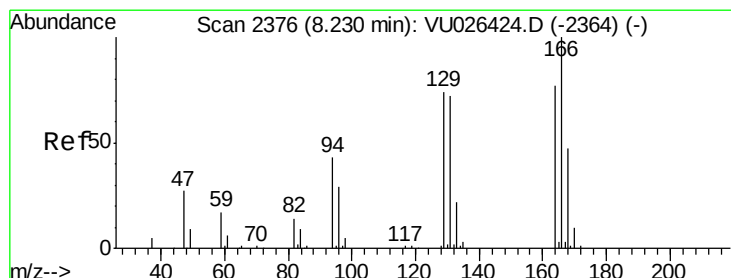
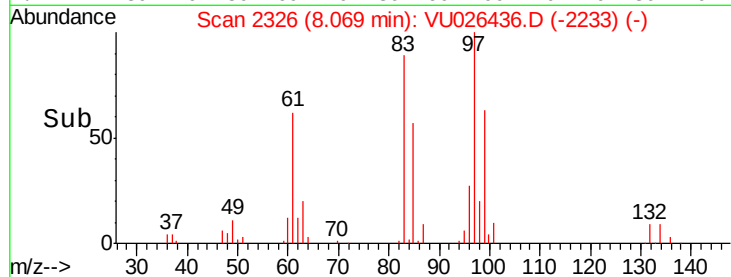
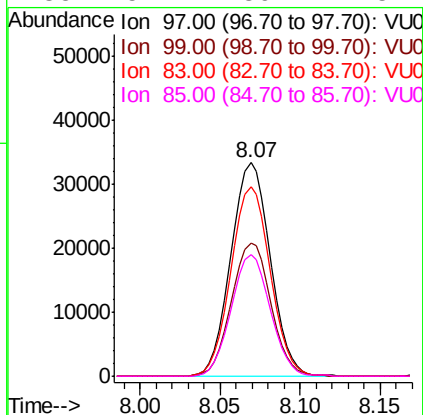
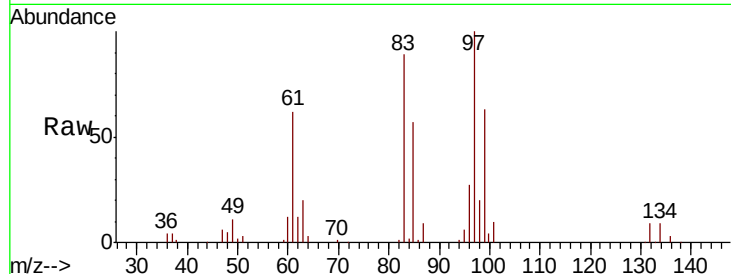




#45
 1,1,2-Trichloroethane
 Concen: 51.601 ug/L
 RT: 8.07 min Scan# 2326
 Delta R.T. 0.00 min
 Lab File: VU026436.D
 Acq: 29 Aug 2018 22:55

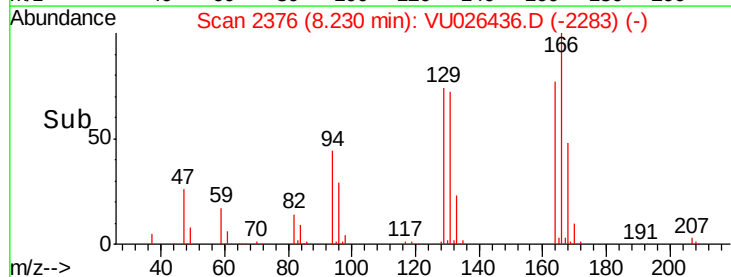
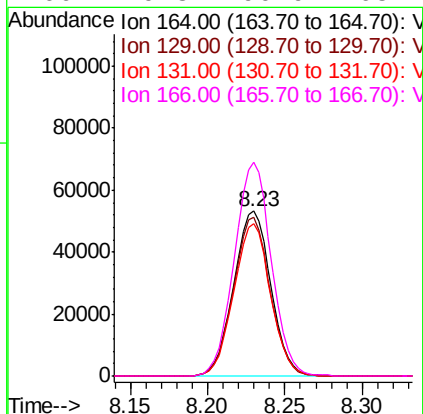
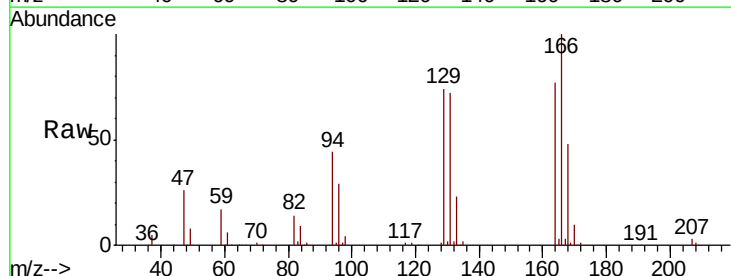
Instrument :
 MSVOA_U
 ClientSampled :

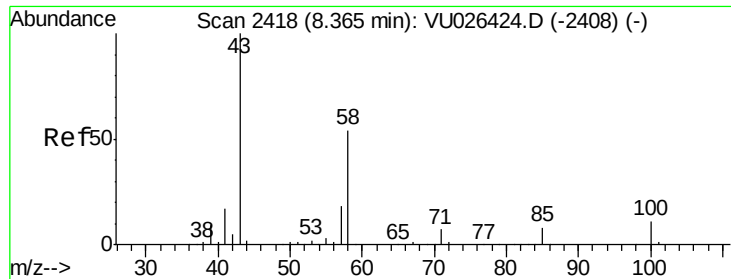
Tot Ion:	97	Resp:	56025
Ion	Ratio	Lower	Upper
97	100		
99	62.6	43.9	81.5
83	88.8	62.7	116.5
85	57.1	39.4	73.2



#46
 Tetrachloroethene
 Concen: 101.014 ug/L
 RT: 8.23 min Scan# 2376
 Delta R.T. 0.00 min
 Lab File: VU026436.D
 Acq: 29 Aug 2018 22:55

Tgt Ion:	164	Resp:	88684
Ion	Ratio	Lower	Upper
164	100		
129	96.3	67.3	125.1
131	92.9	65.3	121.3
166	129.8	90.9	168.7

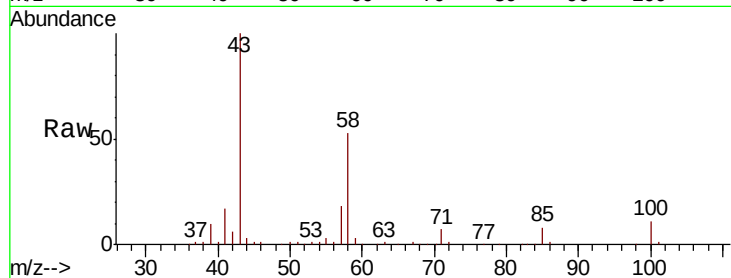




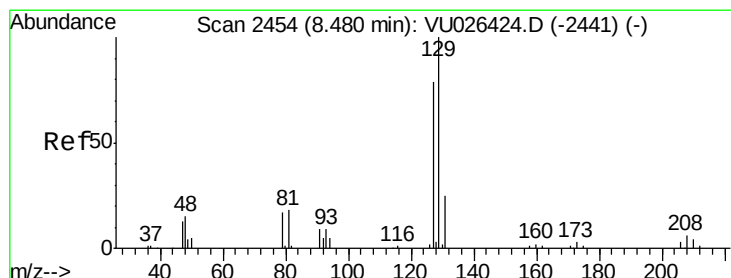
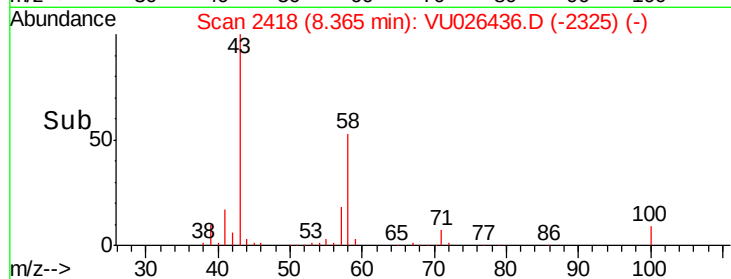
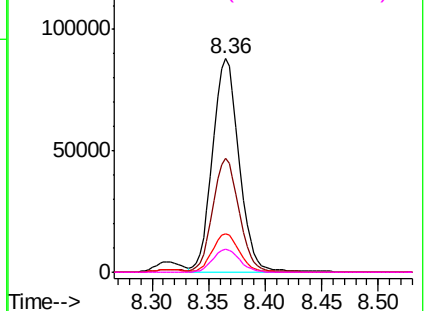
#48
2-Hexanone
Concen: 114.169 ug/L
RT: 8.36 min Scan# 2418
Delta R.T. 0.00 min
Lab File: VU026436.D
Acq: 29 Aug 2018 22:55

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 143719
Ion Ratio Lower Upper
43 100
58 53.1 42.2 63.4
57 18.3 14.6 21.8
100 10.8 8.3 12.5

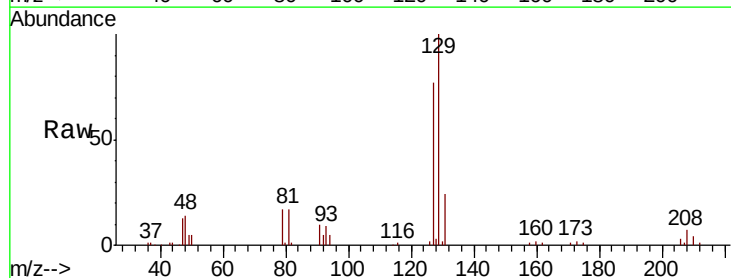


Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 58.00 (57.70 to 58.70): VU0
Ion 57.00 (56.70 to 57.70): VU0
Ion 100.00 (99.70 to 100.70): VU0

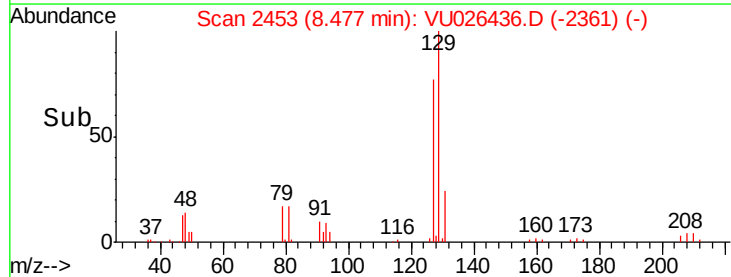
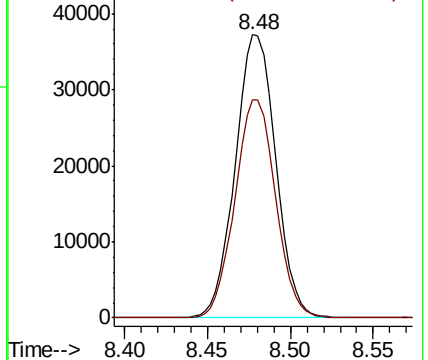


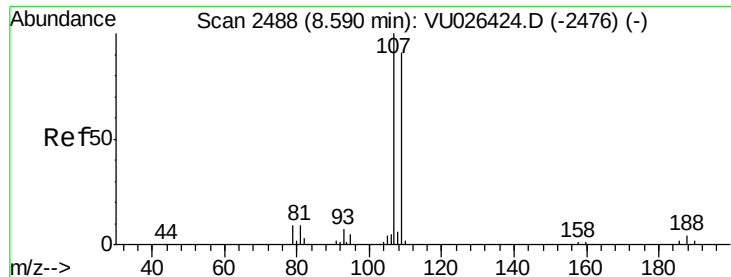
#49
Dibromochloromethane
Concen: 51.781 ug/L
RT: 8.48 min Scan# 2453
Delta R.T. -0.00 min
Lab File: VU026436.D
Acq: 29 Aug 2018 22:55

Tgt Ion: 129 Resp: 63347
Ion Ratio Lower Upper
129 100
127 77.1 55.0 102.2



Abundance Ion 129.00 (128.70 to 129.70): V
Ion 127.00 (126.70 to 127.70): V

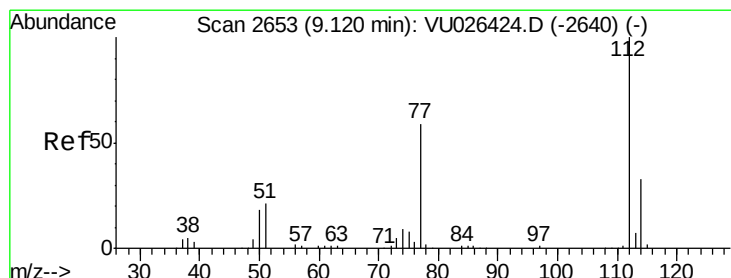
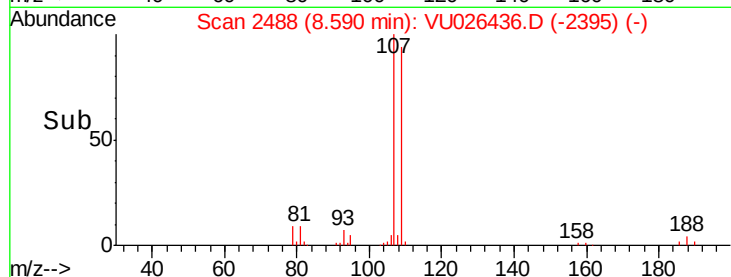
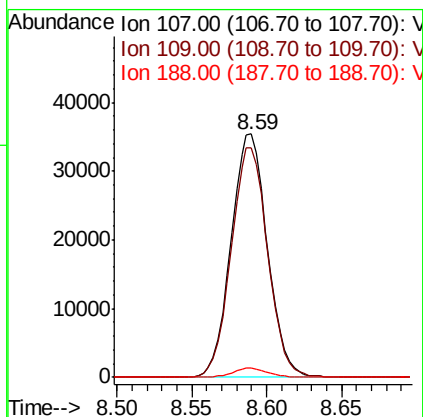
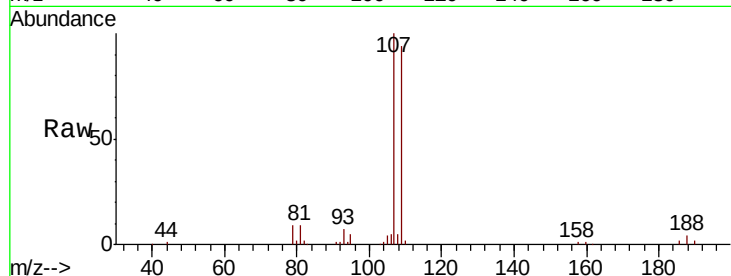




#50
 1,2-Dibromoethane
 Concen: 51.633 ug/L
 RT: 8.59 min Scan# 2488
 Delta R.T. 0.00 min
 Lab File: VU026436.D
 Acq: 29 Aug 2018 22:55

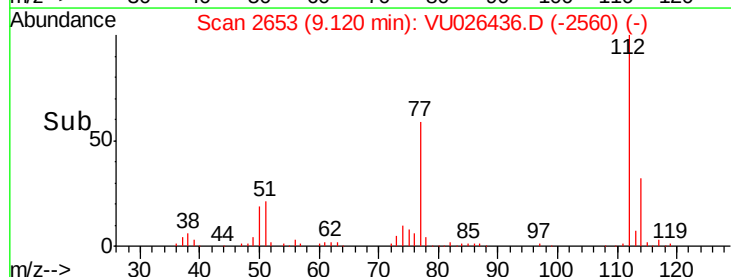
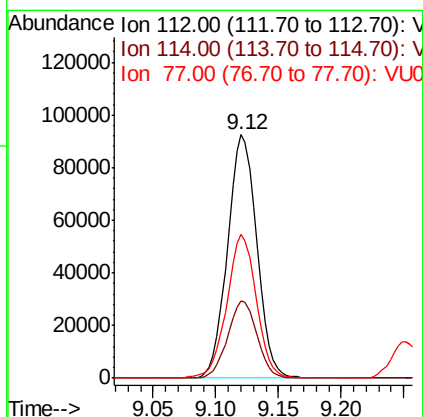
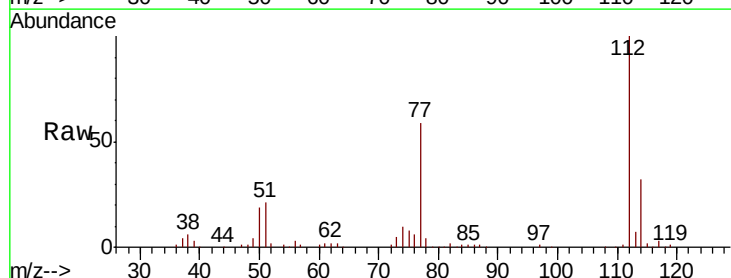
Instrument :
 MSVOA_U
 ClientSampleId :

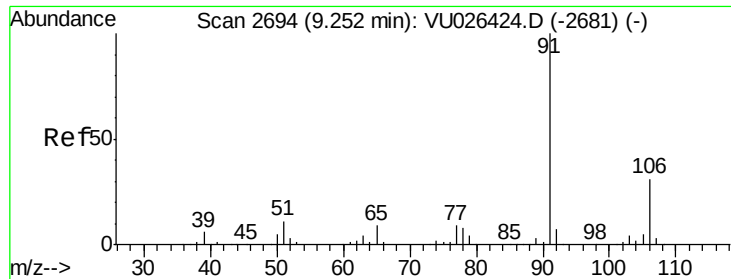
Tot Ion	Ratio	Lower	Upper
107	100		
109	94.4	63.4	117.8
188	3.7	3.2	4.8



#51
 Chlorobenzene
 Concen: 50.181 ug/L
 RT: 9.12 min Scan# 2653
 Delta R.T. 0.00 min
 Lab File: VU026436.D
 Acq: 29 Aug 2018 22:55

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.5	23.2	43.2
77	58.9	47.3	70.9





#52

Ethylbenzene

Concen: 51.616 ug/L

RT: 9.25 min Scan# 2694

Delta R.T. 0.00 min

Lab File: VU026436.D

Acq: 29 Aug 2018 22:55

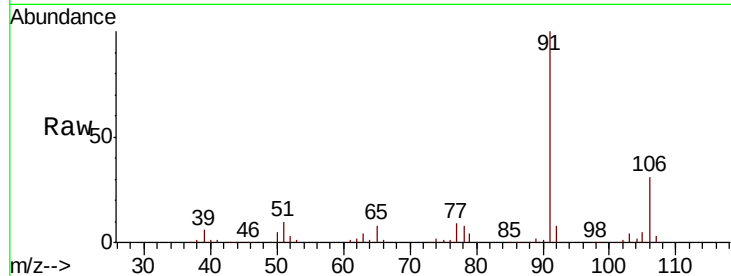
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 91 Resp: 250773

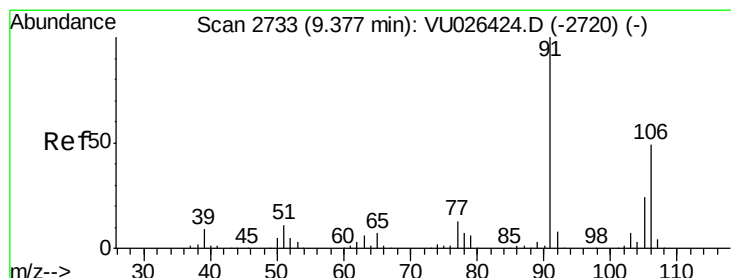
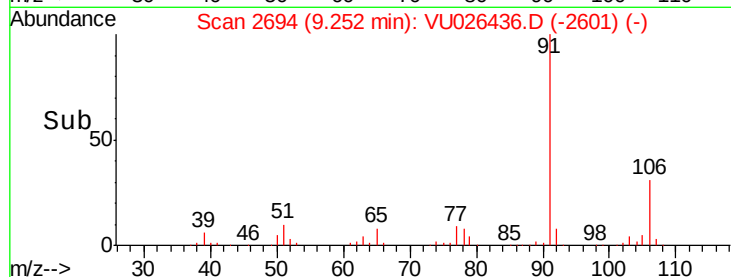
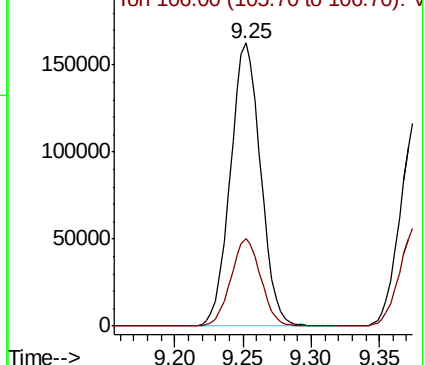
Ion Ratio Lower Upper

91 100

106 30.9 21.6 40.2



Abundance Ion 91.00 (90.70 to 91.70): VU026436.D (-2601) (-)



#53

m,p-Xylene

Concen: 52.575 ug/L

RT: 9.38 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VU026436.D

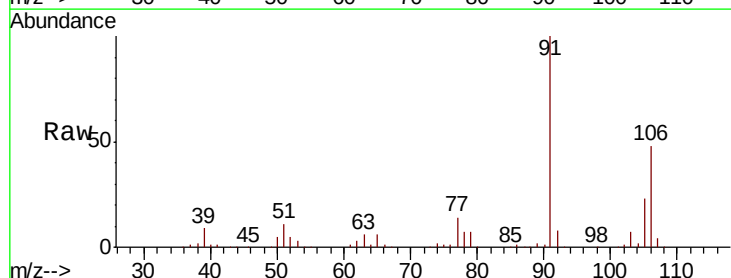
Acq: 29 Aug 2018 22:55

Tgt Ion: 106 Resp: 95377

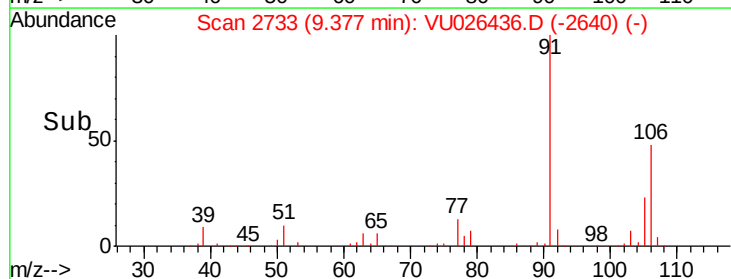
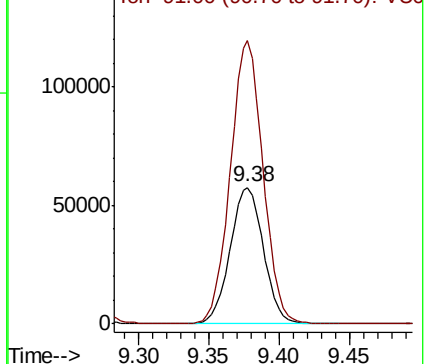
Ion Ratio Lower Upper

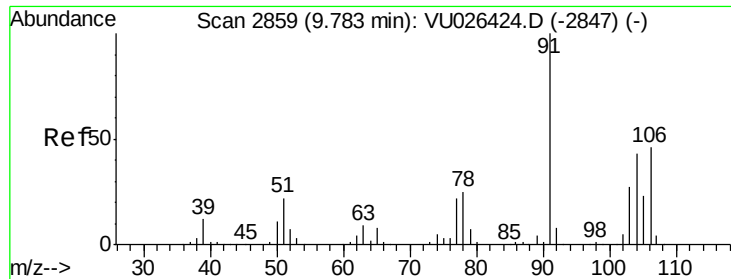
106 100

91 206.9 143.0 265.6



Abundance Ion 106.00 (105.70 to 106.70): VU026436.D (-2640) (-)





#54

o-xylene

Concen: 54.691 ug/L

RT: 9.78 min Scan# 2859

Delta R.T. 0.00 min

Lab File: VU026436.D

Acq: 29 Aug 2018 22:55

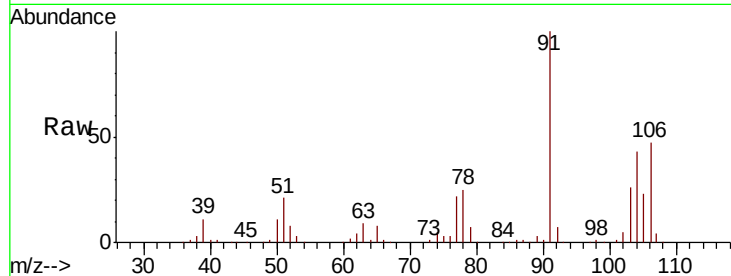
Instrument :
MSVOA_U
ClientSampled :

Tot Ion:106 Resp: 96753

Ion Ratio Lower Upper

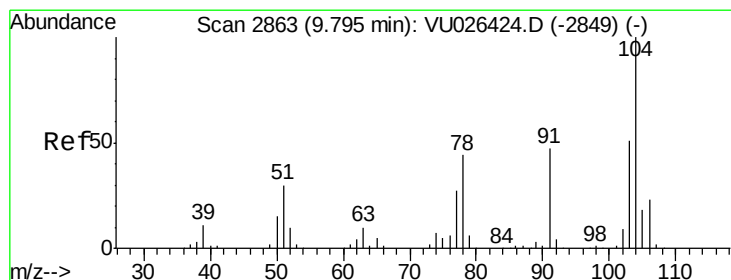
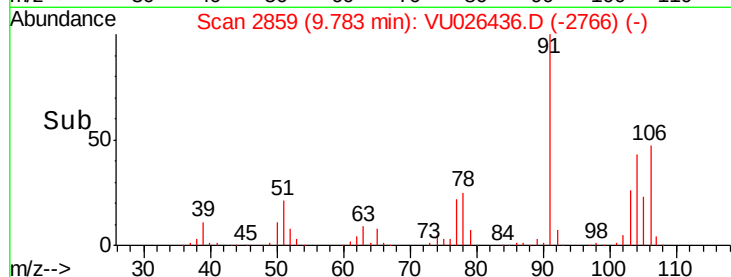
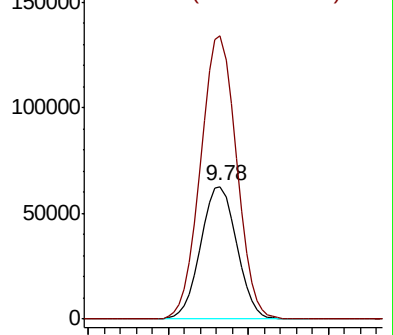
106 100

91 213.6 153.3 284.7



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#55

Styrene

Concen: 53.836 ug/L

RT: 9.79 min Scan# 2862

Delta R.T. -0.00 min

Lab File: VU026436.D

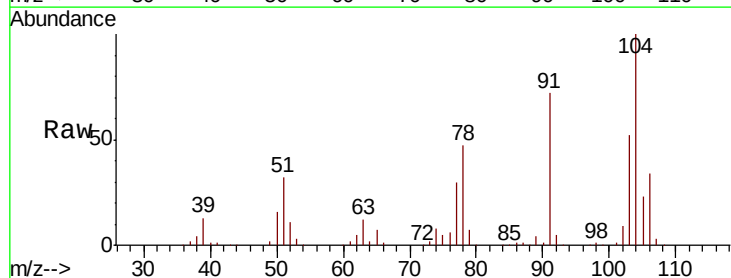
Acq: 29 Aug 2018 22:55

Tgt Ion:104 Resp: 166379

Ion Ratio Lower Upper

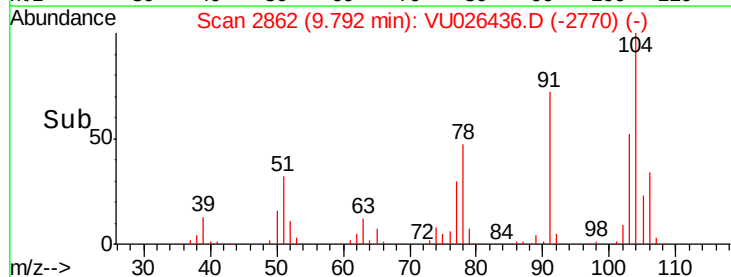
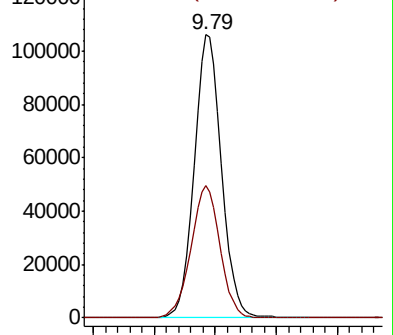
104 100

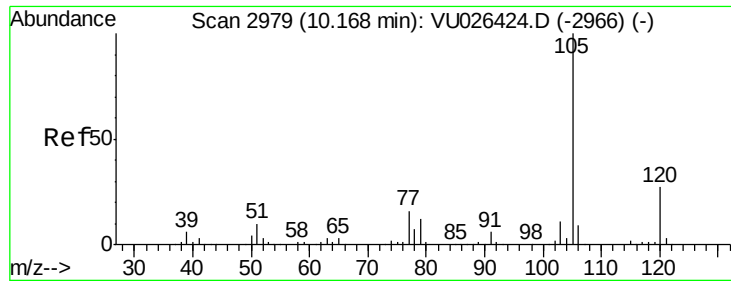
78 46.6 31.1 57.7



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0





#56

Isopropylbenzene

Concen: 52.723 ug/L

RT: 10.17 min Scan# 2979

Delta R.T. 0.00 min

Lab File: VU026436.D

Acq: 29 Aug 2018 22:55

Instrument :

MSVOA_U

ClientSampleId :

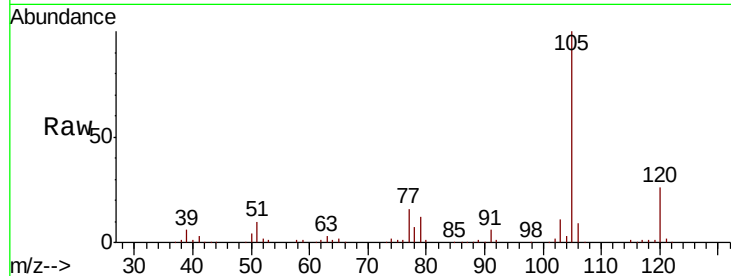
Tot Ion:105 Resp: 244152

Ion Ratio Lower Upper

105 100

120 26.5 21.5 32.3

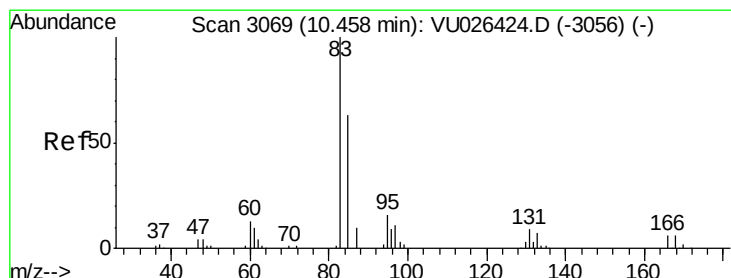
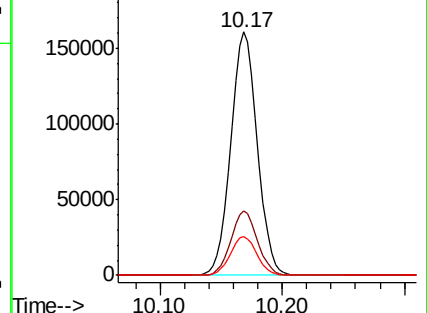
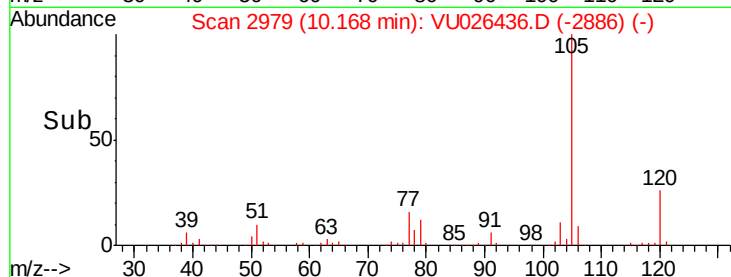
77 16.2 12.9 19.3



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: 53.523 ug/L

RT: 10.46 min Scan# 3070

Delta R.T. 0.00 min

Lab File: VU026436.D

Acq: 29 Aug 2018 22:55

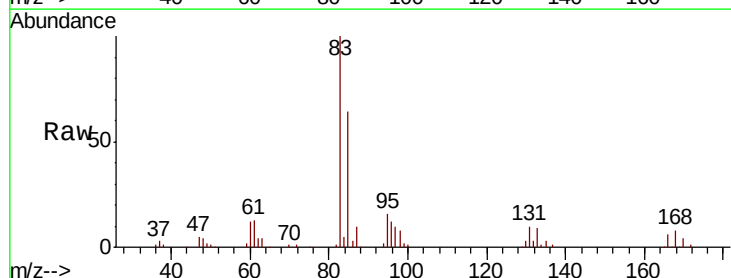
Tgt Ion: 83 Resp: 102363

Ion Ratio Lower Upper

83 100

85 64.3 44.3 82.3

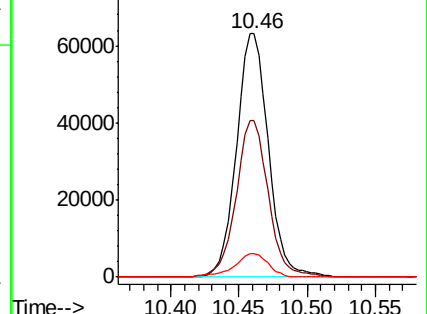
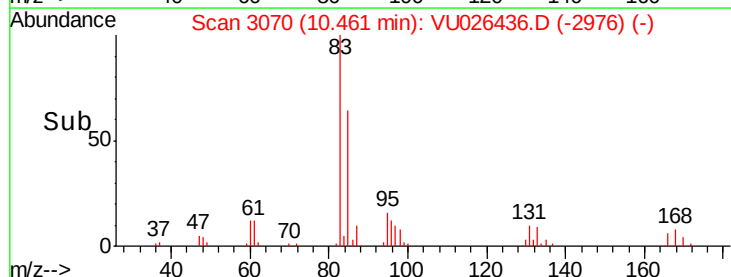
131 9.7 7.8 11.8

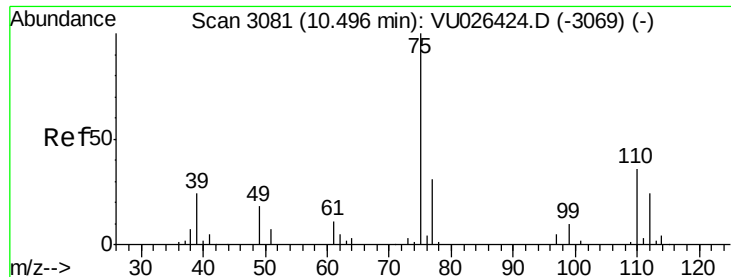


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V

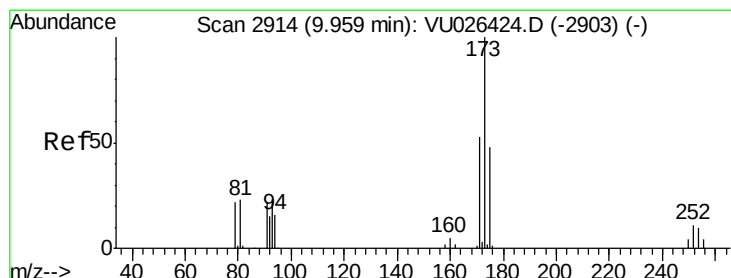
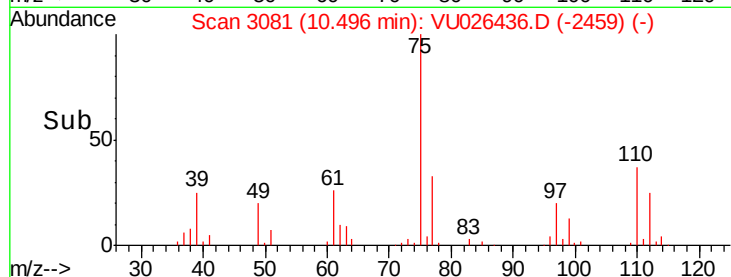
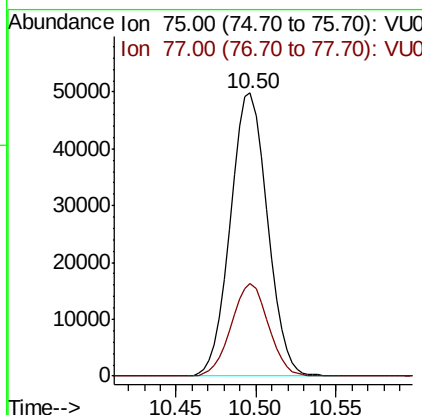
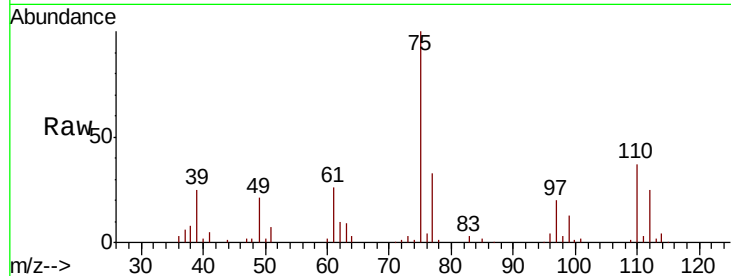




#59
 1,2,3-Trichloropropane
 Concen: 53.204 ug/L
 RT: 10.50 min Scan# 3081
 Delta R.T. 0.00 min
 Lab File: VU026436.D
 Acq: 29 Aug 2018 22:55

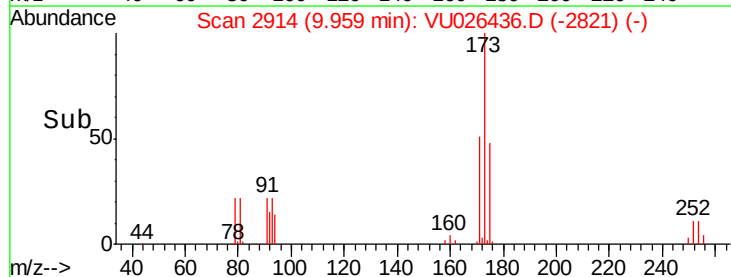
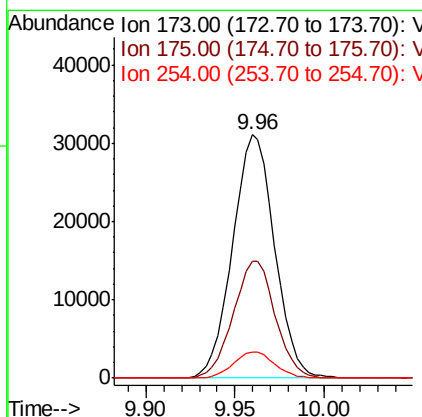
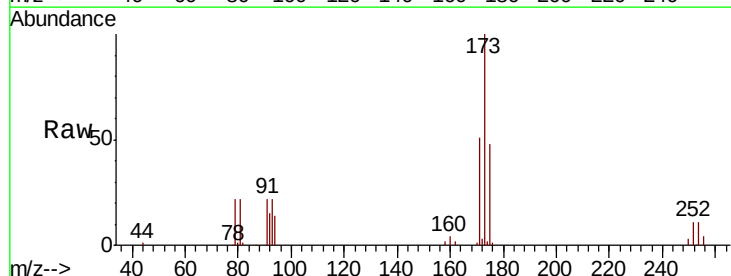
Instrument :
 MSVOA_U
 ClientSampled :

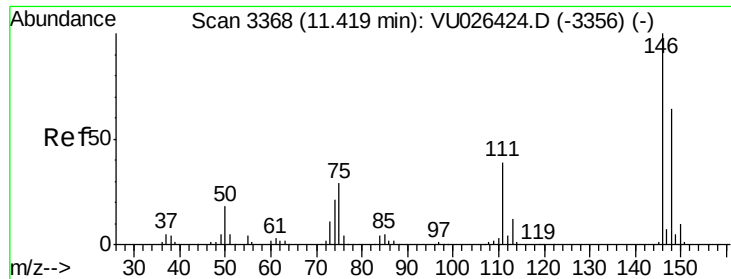
Tot Ion: 75 Resp: 78681
 Ion Ratio Lower Upper
 75 100
 77 32.6 25.0 37.6



#61
 Bromoform
 Concen: 56.313 ug/L
 RT: 9.96 min Scan# 2914
 Delta R.T. 0.00 min
 Lab File: VU026436.D
 Acq: 29 Aug 2018 22:55

Tgt Ion: 173 Resp: 50950
 Ion Ratio Lower Upper
 173 100
 175 48.1 38.5 57.7
 254 10.5 8.1 12.1

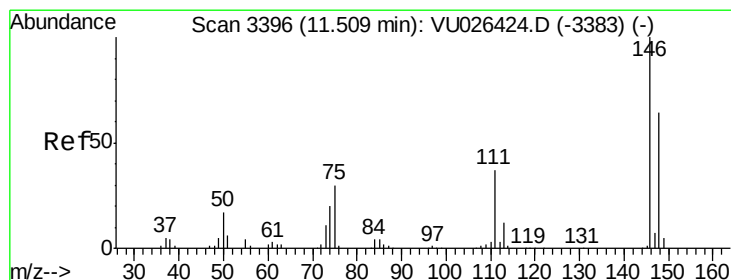
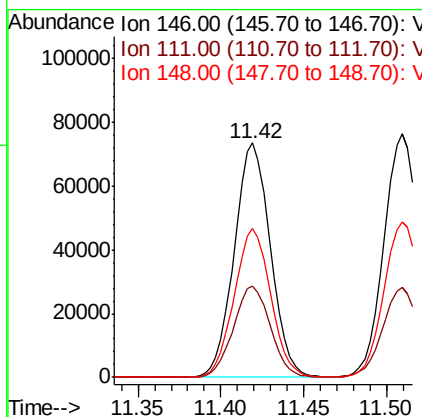
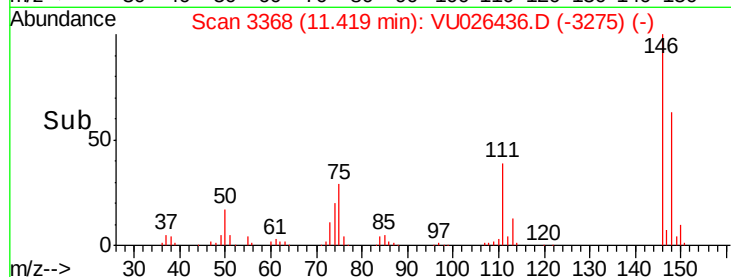
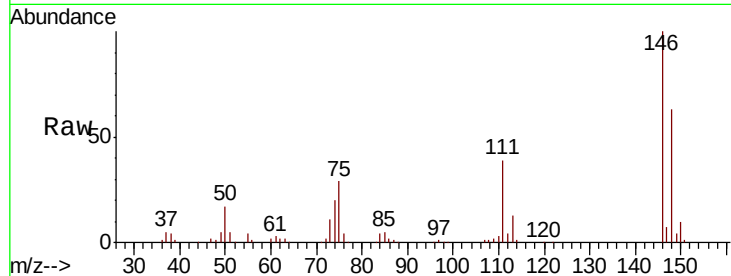




#62
 1,3-Dichlorobenzene
 Concen: 52.012 ug/L
 RT: 11.42 min Scan# 3368
 Delta R.T. 0.00 min
 Lab File: VU026436.D
 Acq: 29 Aug 2018 22:55

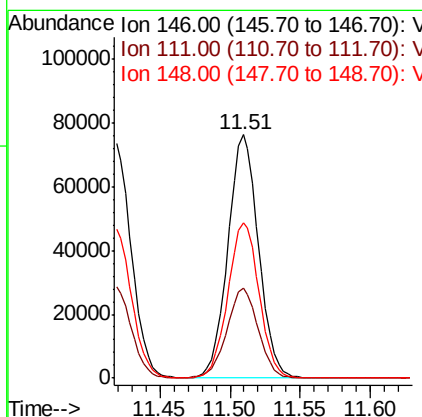
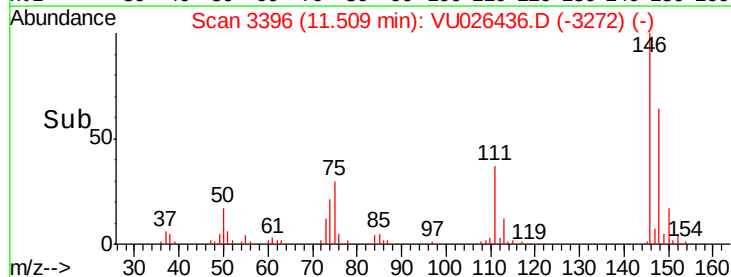
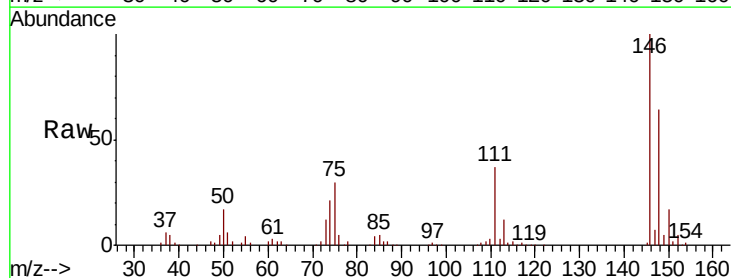
Instrument :
 MSVOA_U
 ClientSampled :

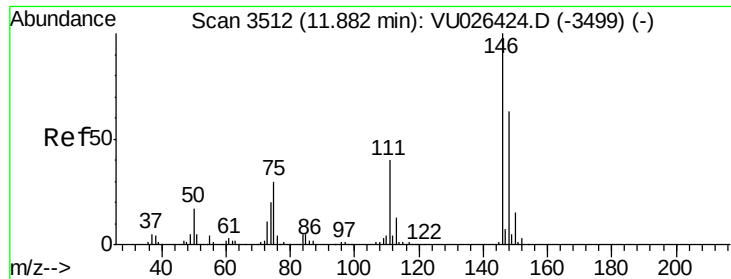
Tot Ion:146 Resp: 111571
 Ion Ratio Lower Upper
 146 100
 111 38.8 27.5 51.1
 148 63.3 44.9 83.3



#63
 1,4-Dichlorobenzene
 Concen: 51.051 ug/L
 RT: 11.51 min Scan# 3396
 Delta R.T. 0.00 min
 Lab File: VU026436.D
 Acq: 29 Aug 2018 22:55

Tgt Ion:146 Resp: 115827
 Ion Ratio Lower Upper
 146 100
 111 36.9 26.2 48.6
 148 64.0 44.9 83.5

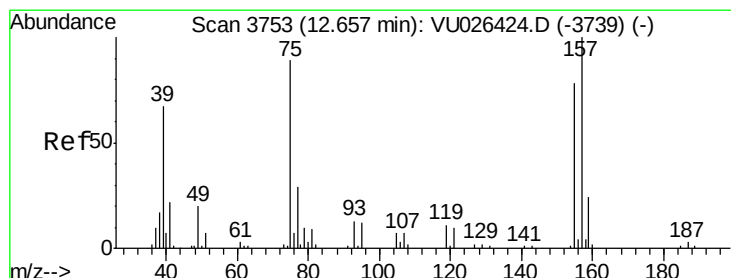
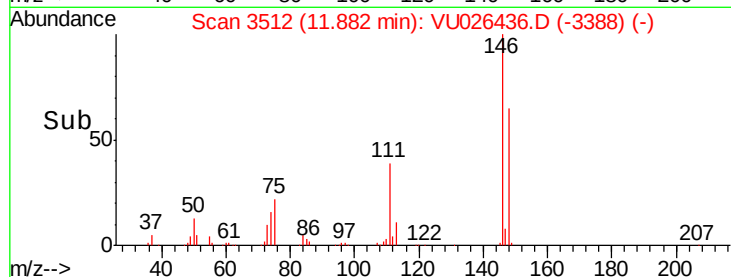
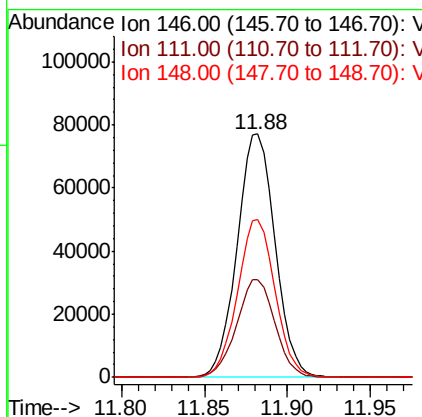
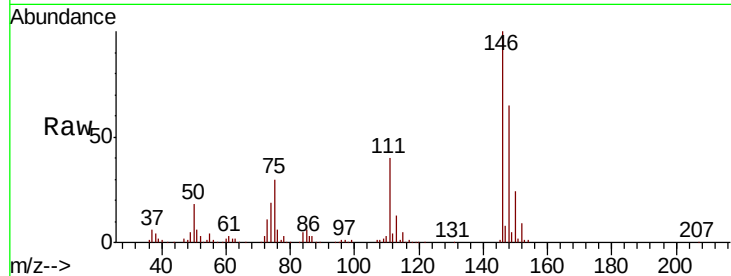




#65
 1,2-Dichlorobenzene
 Concen: 54.266 ug/L
 RT: 11.88 min Scan# 3512
 Delta R.T. 0.00 min
 Lab File: VU026436.D
 Acq: 29 Aug 2018 22:55

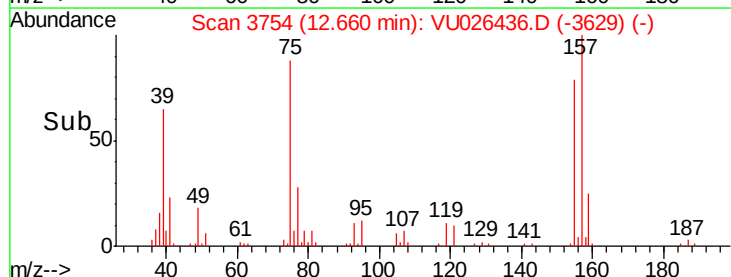
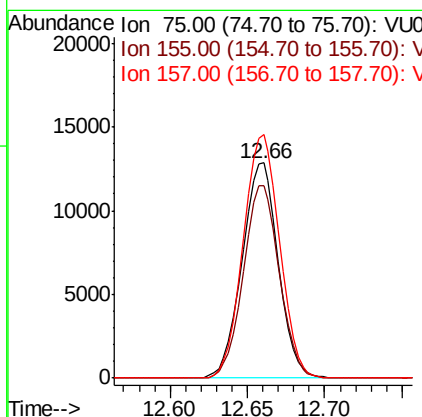
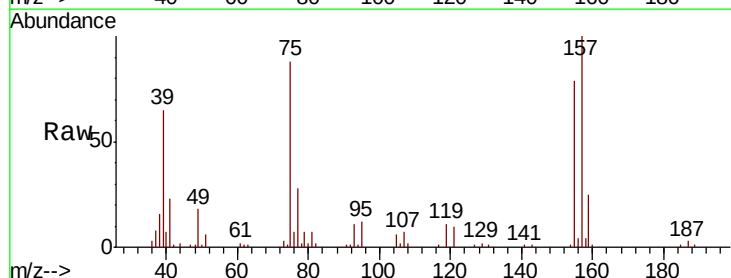
Instrument :
 MSVOA_U
 ClientSampled :

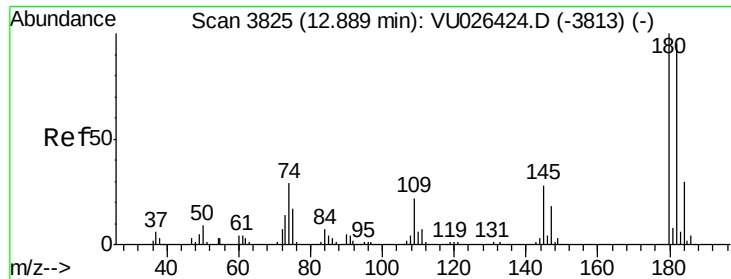
Tot Ion:146 Resp: 122780
 Ion Ratio Lower Upper
 146 100
 111 40.3 32.0 48.0
 148 64.9 50.2 75.2



#66
 1,2-Dibromo-3-chloropropane
 Concen: 55.049 ug/L
 RT: 12.66 min Scan# 3754
 Delta R.T. 0.00 min
 Lab File: VU026436.D
 Acq: 29 Aug 2018 22:55

Tgt Ion: 75 Resp: 20943
 Ion Ratio Lower Upper
 75 100
 155 89.6 69.8 104.8
 157 113.2 89.8 134.8

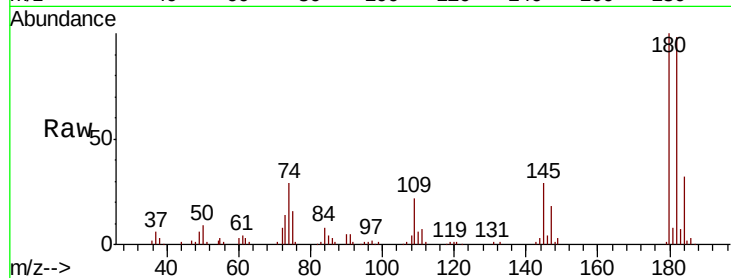




#67
 1,3,5-Trichlorobenzene
 Concen: 49.388 ug/L
 RT: 12.89 min Scan# 3825
 Delta R.T. 0.00 min
 Lab File: VU026436.D
 Acq: 29 Aug 2018 22:55

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.2	76.5	114.7
184	31.7	25.0	37.4
145	28.6	22.3	33.5



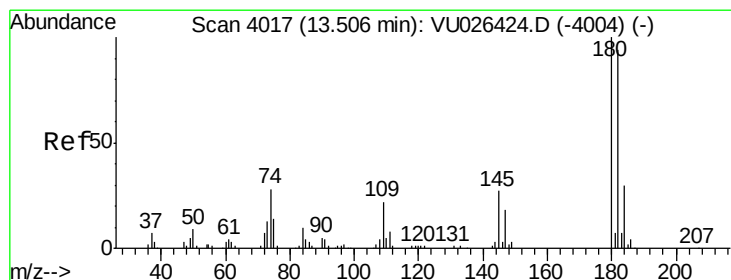
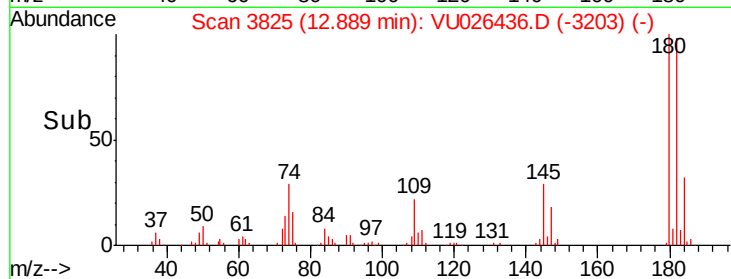
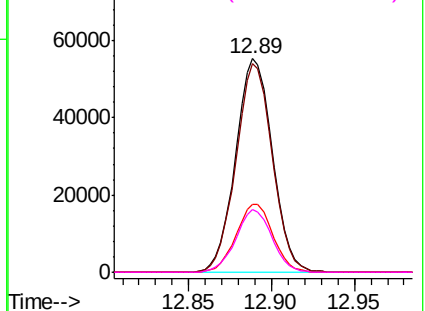
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

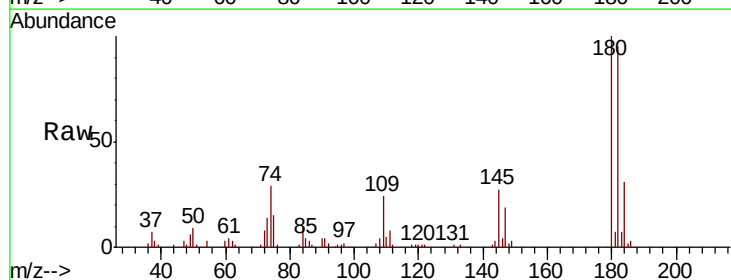
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 48.337 ug/L
 RT: 13.50 min Scan# 4016
 Delta R.T. -0.00 min
 Lab File: VU026436.D
 Acq: 29 Aug 2018 22:55

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.6	76.6	114.8
145	27.3	22.4	33.6

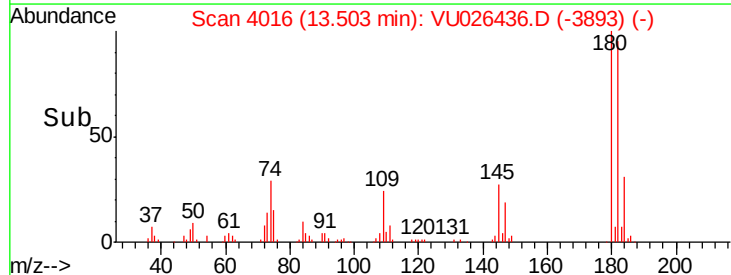
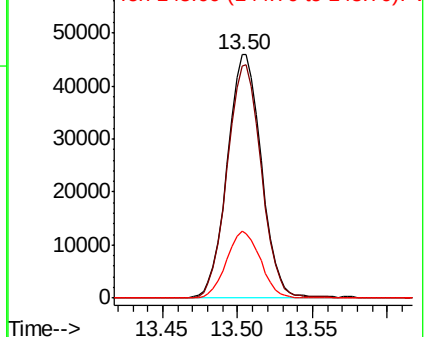


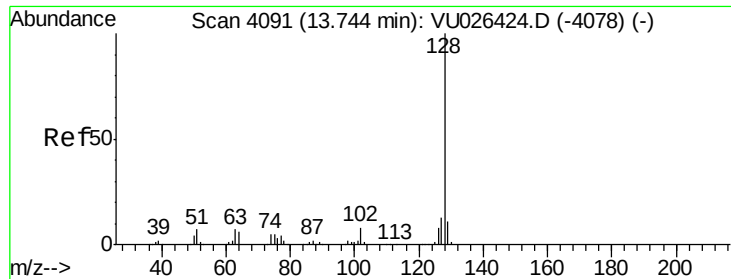
Abundance

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: 55.144 ug/L

RT: 13.74 min Scan# 4091

Delta R.T. 0.00 min

Lab File: VU026436.D

Acq: 29 Aug 2018 22:55

Instrument :

MSVOA_U

ClientSampleId :

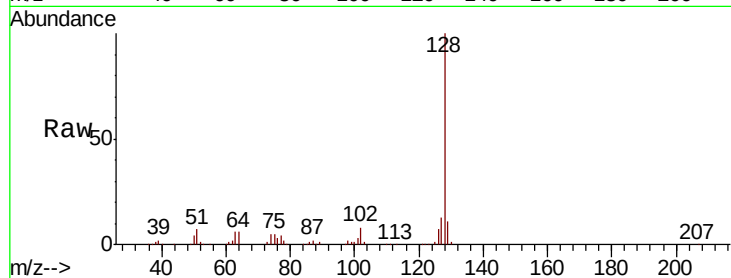
Tot Ion:128 Resp: 260332

Ion Ratio Lower Upper

128 100

127 13.4 10.5 15.7

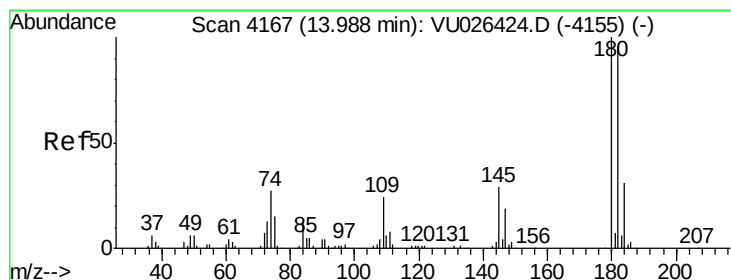
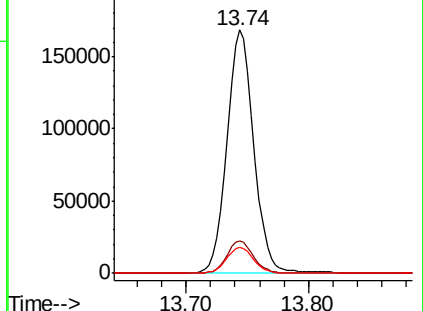
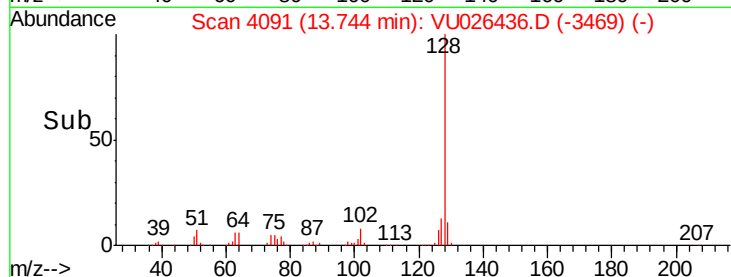
129 10.9 8.5 12.7



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 50.387 ug/L

RT: 13.99 min Scan# 4167

Delta R.T. 0.00 min

Lab File: VU026436.D

Acq: 29 Aug 2018 22:55

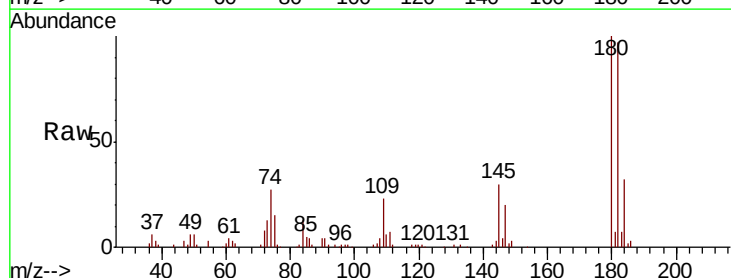
Tgt Ion:180 Resp: 83654

Ion Ratio Lower Upper

180 100

182 94.9 76.5 114.7

145 29.8 23.9 35.9



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

